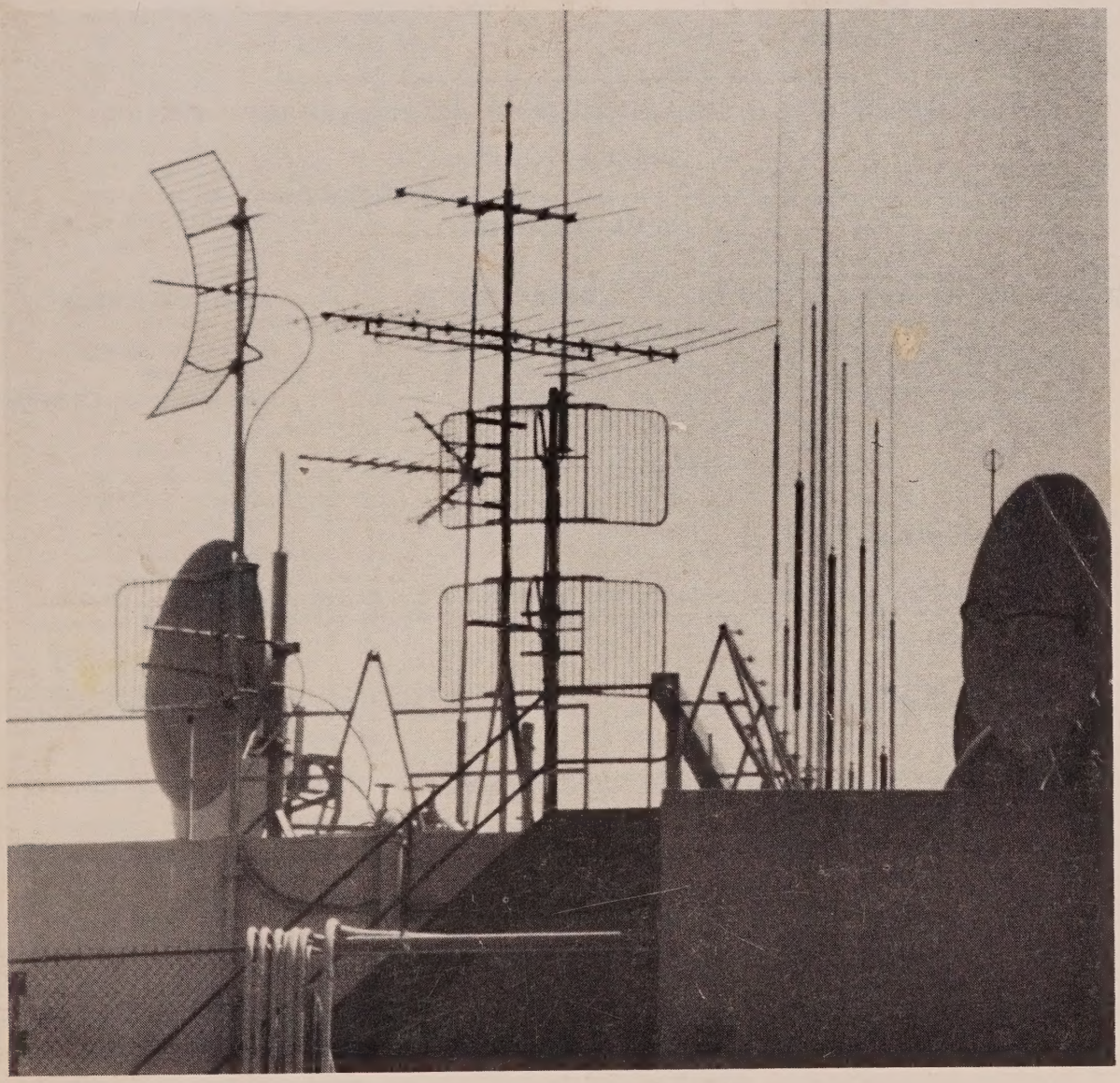
BAHNER

RCMA

NEWSLETTER

NOVEMBER 1986



FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS
ANARC

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RCMA NEWSLETTER

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Manhattan Beach, CA 90266-819

FOR YOUR INFORMATION:

1. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropiate, send input to RCMA, P.O. Box 1198, Manhattan Beach, CA 90266-8198

2. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA General Manager, P.O. Box 542, Silverado, CA 92676.

3. PLEASE INCLUDE YOUR RCMA MEMBERSHIP NUMBER WITH ALL CORRESPONDENCE to newsletter editors or club headquarters.

4. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.

5. Please write on only one side of the paper.

6. Please don't combine in one letter several items that should go to different addresses.

7. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.

8. Your RCMA membership number and expiration date appear on your newsletter mailing label.

9. You may join or renew your membership for ONLY one year at a time.

10. RCMA accepts paid advertising. For information on advertising rates and mechanical requirements, contact Carol Ruth, RCMA Advertising Manager, P.O. Box 542, Silverado, CA 92676.

RCMA NEWSLETTER

ISSUE 129 NOVEMBER 1986

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RCMA, Inc., P.O. Box 4563, Anaheim, CA 92803

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CONTACTING RCMA?

Membership applications or renewals, address changes, inquiries about delivery or renewal problems:

Write to: RCMA General Manager
P.O. Box 542
Silverado, CA 92676

Comments or questions about RCMA club policy or newsletter content: Write to: William Mauldin, RCMA General Editor
2268 N. W. 30th Rd.
Boca Raton, FL 33431

Letters for publication in "Your Thoughts" column: Write to: Kurt Swaney, RCMA Assistant Editor
P.O. Box 1198
Manhattan Beach, CA 90266-8198

Correspondence sent to RCMA's Anaheim Post Office Box will still be answered, but there will be a 4-6 week delay.

Antennas atop CBS Columbia Square in Hollywood.
Many are for monitoring.

PHOTO BY HUGH STEGMAN

The RCMA Newsletter is published by members of the RADIO COMMUNICATIONS MONITORING ASSOCIATION, Inc., P.O. Box 4563, Anaheim CA 92803. Subscription rate/membership fee is $16.50 for U.S. residents. For persons in other countries, the following rates apply: Canada and Mexico—$18.50; Europe—$20.00, South Pacific and Asia—$21.50. These dues are payable in U.S. funds and are subject to change. Information contained herein is obtained primarily from members and does not necessarily present the position or reflect the opinion of RCMA as a whole. The RCMA does not necessarily recommend or endorse products or services advertised herein. The publication is copyrighted ©. Reproduction of any material in this newsletter is prohibited without prior written consent.

CALENDAR

Send notices of upcoming events for the Calender section to:
John R. Clark, 2701 Fairview Road, Costa Mesa, CA 92620
Deadline: 1st of the month two months prior to cover date.

R.C.M.A. Greater L.A. Area Chapter

We are in the process or a reorganization; check this column next month. Late minute information may appear on 446.375 MHz.

R.C.M.A. West Los Angeles Chapter

Contact : Hugh Stegman (CA-LA-472)
Talk in: 146.925 MHz {-600 PL-2A} Tues 1930 hrs net.

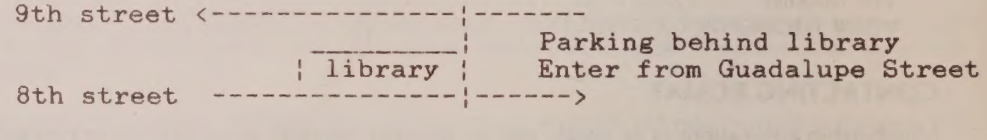
The new West Los Angeles Chapter of RCMA meets on the 2nd Wednesday of every month, at 7:30 PM, at Shakey's on Sepulveda Blvd. and Playa or Jefferson (depends on which way you're going), in Culver City. This is few blocks north of Fox Hills Mall, and the 405 freeway exit at Slauson.

Meetings are scheduled for Nov 12, and Dec 10, 1986. Come for frequency swapping and general fun.

Austin Area Radio Listeners Meeting

The Austin Area Radio Listeners Club wishes to thank TX 043 Richard Quintanilla for his past work, and wish him good look in his new position. The club activities will continue with Dan Parkhurst as the coordinator. As of this writing the meetings will be as shown below.

Meeting every 2nd Tuesday 6:45 PM Austin Public Library 4th floor room B. For more information, contact Dan Parkhurst ND 001 7900 B Brodie Lane, Austin, TX 78754



R.C.M.A. Chicago

Contact Edward Robert Sirovy IL-004 312 969 2856
311 S. Williams Street, Westmont, Il 60559

Meetings: Homer's Resturant and Lounge, 7[illegible] son Street, Forest Park is currently the te[illegible] . This location is about 2 blocks [illegible] nd about 3/4 mile from both th[illegible] t lines. It is 4 block[illegible] way and 2 blocks west [illegible] would be wise to check with [illegible] this is the location for the the fo[illegible]

NOTE: CONTACT EDWARD FOR LATE BREAKING NEWS FROM 27 SEPT MEETING

Saturday November 15 1986 12:30 PM

Visitors are welcome but please confirm the date in advance.

A SASE on file assures notification of tours and other items which may be scheduled on short notice.

R.C.M.A. for D.C., MD, VA, & DE

Contact: Capitol Hill Monitors % Alan Henney (MD 069)
6912 Prince Georges Ave, Takoma Park, MD 20912

R.C.M.A. Minneapolis-St. Paul Area

Contact: Chuck Steier MN-008 (612) 927-9253
4820 Hwy 7, Minneapolis, MN 55416

A SASE on file assures notification of chapter activities (tours, gatherings, etc). Non members are welcome to attend.

All Ohio Scanner Club

Contact David B. Marshall OH-146, Managing Editor
50 Villa Road, Springfield, OH 45503-1036

The All Ohio Scanner Club covers the area of Indiana, Kentucky, Michigan, Pennsylvania, West Virginia, and Ontario, Canada. We welcome members from these and other areas who wish to join our club.

Sample Newsletter: $1.00 plus $0.39 stamp. Membership information for a large SASE to the Post Office Box listed above.

R.C.M.A. Winconsin
Contact Scott W. Miller WI-039
122 Greenbriar Drive, Sun Prairie, WI 53590

NEED BACK ISSUES OF THE RCMA NEWSLETTER:

Lots (Months/Year)	No. of Issues	Price
Sept 75 — June/July 76 (No Oct. or Nov. Published)	7	$2.00
August — Dec. 76 (No Oct. Published)	4	$3.00
Jan. — June 77	6	$4.00
July — Dec. 77	6	$4.00
Jan. — June 78	6	$5.00
July — Dec. 78	6	$5.00
Jan. — June 79	6	$6.00
July — Dec. 79	6	$7.00

1980—to date issues are available at $1.50 per copy

Order Total	Include This Amount of Postage
$ 1.50 — $ 5	$1.20
$ 5.50 — $10	$2.25
$10.50 — $15	#3.30
$15.50 — $25	$4.15
$25.50 — $35	$5.50
Over $35	$7.00

Send your request & check/M.O. (payable to RCMA) to:
RCMA General Manager
P.O. Box 542
Silverado, CA 92676

your thoughts

Kurt Swaney, RCMA Assistant Editor
P.O. Box 1198, Manhattan Beach, CA 90266-8198

Your Thoughts is RMCA's members forum on current topics of interest to the scanner hobbyist. If you have any thoughts you would like to express, RCMA encourages you to send them in.

All letters must include your name, address, and RCMA membership number. Due to space limitations, RCMA reserves the right to condense submitted material.

NO COLUMN THIS MONTH

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below.

Write to Joe Barr, 1500 Bunbury Dr., Whittier, CA 90601, for the following:
Copy of ANARC Club List — Sent 25¢ and an SASE (business size)
Sample Copy of ANARC Newsletter — Send 60¢ and an SASE (business size)
Annual Subscription to ANARC Newsletter — $7.50 for residents of U.S., Canada, and Mexico; $10 Overseas (Airmail)

ANARC 1987 Convention to be held in Mid July 1987 in Toranto, Canada. Make plans to attend now.

OCT 4 AMERICAN SHORTWAVE LISTENERS CLUB (ASWLC) Saturday, 10 AM to 3PM at club headquarters, 16182 Ballad Lane, Huntington Beach, CA 92649. For information send a SASE to above address or call (714) 846-1685.

The ASWLC group has submitted a bid for the 1988 ANARC Convention to be held in Huntington Beach.

OCT 18 SOUTHERN CALIFORNIA AREA DXERS (SCADS) Saturday, 10 AM to 3 PM Village View School, 5361 Sisson Drive, Huntington Beach, CA. All DXers welcome. International Guest Speakers, Receivers and Accessories will be on display. Refeshments. For information contact SCADS, % Don Schmidt 3809 Rose Ave. Long Beach, CA 90807-4334. Phone (213) 424-4634.

The last SCADS meeting attracted 55 DXers, plus guests, from Santa Barbara to San Diego, and Palm Springs as well as LA area. Speakers were Ian McFarland, Radio Canada International, Arthur Cushing, New Zealand Radio DX League, Nate Brightman, Manager Wireless Room S.S. Queen Mary Long Beach.

SCADS's officers are President: Don Schmidt, Secretary: Bob Syphax, Treasurer and Register: Don Ingram.

NOV 8 WASHINGTON AREA DX ASSOCIATION (WADXA), Saturday, 6 PM at the home of Greg Monti, 1301 S Cleveland St. #356, Arlington, VA 22204. Pot Luck Dinner followed by Special Program. All DXers welcome. For information contact Arlene Luskin, (301) 593-4411 or Jay Goldbert, (301) 951-0712.

NOV 14 MINNESOTA DX CLUB, Friday 7 PM meeting at the Hennepin County Government Center. Jury Meeting Room, 300 South 6th St, Minneapolis, MN.

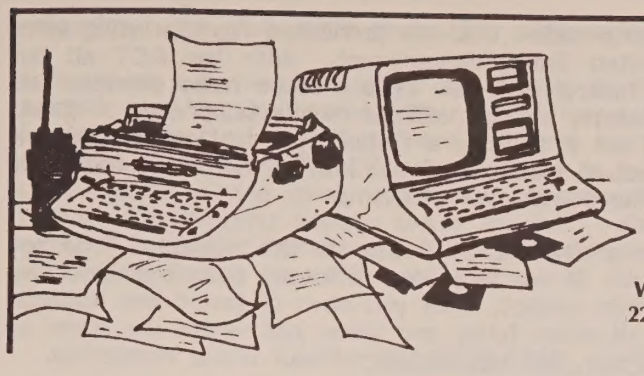
CARL LIBKER, 3032 Hillview Road, Minneapolis, MN 55432, is looking for any and all Fisher and Hallicrafters receivers, working or non-working.

TED HOLMAN Secretary for MDXC, 2818 E. 31st St, Apt 4, Minneapolis, MN 55406, is looking for extra income using his word processing skills. His rates are $2.00 per page, and can design letterheads ect for your radio club.

DX REPORTER, published by Association of DX Reporters, 7008 Plymouth Rd, Baltimore, MD 21208, has sample bulletins for $1.00.

CENTURY PRINT SHOP, 6059 Essex Street, Riverside, CA 92504-1599 is taking Per-publication orders for the 1987 WORLD RADIO TV HANDBOOK at $17.00, in the U.S.A only. (Specify P.O. Book rate or UPS delivery.) Add $1.02 sales tax for GA delivery. For first class mail add $2.00. For more information call (717)- 687-5910. Make checks payable to Century Print Shop.

David Klopfenstein, 2915 South East 58th Avenue, Portland, Oregon, 97206-2016 would like to form a DX Club for Oregonians. For more information send a SASE.



From The CAPTAIN'S DESK

William Mauldin, RCMA General Editor
2268 N.W. 30th Rd., Boca Raton, FL 33431

1986 GENERAL MEMBERSHIP SURVEY

As I write this column it is the first of September, so it is a little difficult to make positive statements about anything which is "supposed" to be published in the October edition, but if everything went as planned, the 1986 Survey should be in your hands by this reading. The effort by ANARC and RCMA on keeping you informed as to the content and progress of the ELECTRONICS PRIVACY ACT has taken up quite a bit of our space and time. This effort delayed the scheduled printing of the Survey, so we are behind even before we get started.

Normally when we publish the Survey, there is always a note of encouragement, trying to get all of you to respond with Survey input. RCMA is a club, as you are fully aware. We are not a monthly magazine with professional writers and reporters. You are RCMA, and when you consider what you spend on this little booklet each year, your yearly response to the annual Survey should be your most important club effort. Clubs are usually run by the membership. Our yearly Survey has more to do with what we will be doing in the coming year than any other single input. It is your yearly input that helps me and the other volunteer staff members to print what you want to read.

Take a few minutes this year and complete the Survey form. The form asks some very simple questions, lets you vote for your favorite columns, and tells us where we need to make some changes and improvements. If printed as planned, the pull out centerfold should be in the October issue. You can pull it out without destroying the booklet. It shouldn't take you five minutes to answer the questions and make a few check marks. Do it, and let us know your interests and feelings.

The Survey results will be totalled in late December and the form will be re-entered in the computer, but this time the results will be printed in the blank spaces. We will print the Survey form again in early 1987, indicating membership comments on the completed form. I look forward to seeing your response to the questions for 1986!

RCMA VOLUNTEER STAFF AND RESPONSE DELAYS

The mail during the past few months indicates many of you are not reading the instructions printed inside the front cover when writing about business matters, back issues, subscription information, letters to the editors and so on. Please take a few minutes to read the inside front cover and page one of the NEWSLETTER.

When you send your requests to the wrong person OR fail to enclose a stamped, self-addressed envelope, your request is only delayed. The correct address on your letter and the stamped, self-addressed envelope or postal card will insure a reply.

As we have stated before, the entire RCMA staff is made up of volunteers. All of us have other jobs and responsibilities. Do keep this in mind when corresponding with club editors or staff members. If you do have an urgent matter, mark your envelope with a note indicating so. We keep our costs down by having club members in editor and business positions, but sometimes it does slow things down a little.

RCMA POLICY ON SENSITIVE U.S. FREQUENCIES

With the ELECTRONICS PRIVACY ACT legislation, efforts are being made to tell all of those interested in communications just what you can and can not legally listen to. I personally don't like censorship in any form, especially when it concerns radio. Like it or not, RCMA must establish a written policy on what we can print and what is not in the best interest of the club and respectful of current laws.

Prior to the ACT legislation, the only information that we prohibited from printing were legally classified frequencies of the United States Government. With the ACT all but passed as this article is being written, federal law now covers other radio services and communications of an assumed private nature, such as cellular mobile telephones. RCMA, must now review this legal situation and see if printing a frequency or article on the new legally restricted communications is an actual violation of the law. Other clubs and those who publish directories are going to be faced with new problems.

In the coming months, we will establish a new RCMA Policy on this subject. I do not want us to have a censored publication. If we have any attorney club members, we would like your comments and input on this subject, once you have reviewed the material on hand. We need to investigate this situation fully, and know just where we stand so that RCMA Policy can conform with the law, and yet publish without undue censorship.

At present, our club policy prohibits the printing of ONLY the following items:

1. Officially classified U.S. Government frequencies.
2. Sub-audible tone codes used to access repeater systems.
3. Body surveillance frequencies.
4. Frequencies considered as "sensitive" in nature as related to local law enforcement and security situations, the printing of which would not be of general interest nor in the best overall interest of the hobby monitoring and club, as such.

We must review this situation soon, formulate a new policy which keeps us from censoring needlessly, and yet keeps us legal in every respect. Your input, especially if you are a lawyer is welcome and encouraged.

NEW PUBLICATIONS THIS MONTH

FOX Marketing, Inc. released their BIG Scanner Radio Listing book on the Los Angeles area this month! This is quite a book, to say the least. It certainly should be useful and on the "must have" list for those of you in the LAX area. Volume RL016-2 is 392 pages BIG, and gives the greater Los Angeles area full and detailed coverage. Fox uses their standard format of alphabetical cross references, detailed listings of most every radio service, and also gives you many pages on basic radio listening. If you are an LAX resident or visitor (with a big suitcase), this is one book that will certainly aid your Los Angeles listening. For details, call FOX at 1-800-621-2513 or see your dealer.

UNIVERSAL SHORTWAVE RADIO of Reynoldsburg, Ohio has published a new 76 page catalog which shows all kinds of special discounts on radios, antennas and other items which are not only useful, but interesting and helpful to the radio hobbyist. Universal offers some pretty nice discounts on major brand receivers. Information is available by writing to Universal Shortwave & Amateur Radio, Inc., 1280 Aida Drive, Reynoldsburg, Ohio 43068. They have a toll free number for orders. The prices are excellent, the discounts are impressive, and the service is superior. We thank Universal for mentioning RCMA in their publications.

Les Mattson sends us another copy of the NORTHEAST SCANNING NEWS. The NEWS has grown to 8 pages this month, with interest and coverage increasing. If you are a northeastern USA resident and would like more information, write to Les at 212 West Broad Street, Paulsboro, New Jersey 08066. Les mentions in his note that there are now 50 people on the mailing list - and growing. Good scanning, Les!

RCMA encourages our members to support dealers and publishers who advertise with us, mention RCMA in their catalog or publications, and that give our membership the best possible prices and services. If you buy from a dealer or manufacturer, ask them to consider advertising with us. As a non-profit organization, our advertising rates are very reasonable. More advertising in the NEWSLETTER could reduce membership costs!

ASK BEFORE BUYING TO KNOW FOR SURE

Recent reports indicate that some of the major electronics and camera mail order firms are advertising prices on some shortwave and monitoring receivers based on the foreign models with NO USA WARRANTY. Most of this advertising is done in nationally distributed camera and electronics magazines. These publications are aware of the problem, and two of the largest now have most discount advertising placed in the back of the

magazine, with mail order protection statements printed clearly as an introduction page.

In a recent case, when an order was phoned in, the buyer was advised that the advertised price is the "foreign model with no USA warranty". The buyer is then advised the item is also not in stock and that there will be a four to six week delay should you "insist" on the "model advertised". Of course, there is a price increase if you want the in-stock USA model. These same companies are also charging four to five times the normal amount for shipping costs. Buyer beware! Be especially careful when ordering from some of the major camera and electronics dealers in New York City. Protect yourself and ask before placing your order and giving your charge card number.

HAM REPEATER MAPS AVAILABLE

David Jones, Jr., N4JED, is an architect who has put his talents to work for the promotion of amateur radio. David has produced some outstanding maps which are available free of charge to those who write, enclose a stamped, self-addressed business size envelope!

The radio amateur repeater maps are detailed and useful, and offer complete information on repeater location and frequency assignment. To date, Dave has completed maps for the following states: VA, WVA, MD, KY, TN, NC, SC, GA, OH, and OR. If you live in any of these states, and would like a copy of the map for your area, write David Jones, Jr., N4JED, 504 North Broad Street, Salem, VA 24153. Since Dave is doing this as a service and in the promotion of amateur radio, make certain that you send your self-addressed, stamped business size envelope. If you ask for several maps, a contribution to help Dave in this promotion effort would be appreciated, but not required.

CLOSING COMMENTS

My thanks to everyone who has taken time to respond to the 1986 SURVEY. We will be working on your input and votes in the coming months to make more changes within RCMA, so we can better serve you, the member. Again, I ask and encourage you to send in your completed Survey form. It is important that we have YOUR input.

Please take a few minutes to support your favorite editor this month. As the colder weather causes us to have more time indoors, you are likely to spend more time by the radio. Let your editor know what you are monitoring. Everything you read in the NEWSLETTER from this point on is a member submitted item. We need your input too!

The column editors will be making a unified effort to print their 1985 & 1986 index summaries next month. The December issue is your catalog to what we have covered during the past two years. Watch for it. December is Index Month!

RCMA VOLUNTEER EDITOR APPLICATIONS

If YOU would like to become a volunteer Editor and write for RCMA and our monthly publication, the NEWSLETTER, we would like to hear from you! You can place your name on file with RCMA and receive immediate notification should the column(s) of interest become available.

When an RCMA staff member resigns, if YOU have placed your name on file with the club as having a desire to fill the position, YOU will be notified by first class mail of the vacancy. You will have approximately TEN days to respond with your application letter, telling of your ideas and thoughts as they relate to the opening. Complete, detailed instructions on how to make application for volunteer Editor positions will be mailed to you in the RCMA vacancy notification announcements. You are under no obligation to accept the position by placing your name on the Editor Wait Lists, however, your application for the open position will be encouraged, reviewed and certainly give YOU a chance to join the all volunteer RCMA staff.

If YOU want to be placed on the Editor Wait List, here is what you should do:

1. Send your name, membership number, address and telephone number to the General Editor. The address is printed inside the front cover.

2. List ANY and ALL column subjects that interest you. Do NOT send any additional information about yourself or your qualifications. You will be asked for additional information regarding your qualifications, thoughts and ideas for the position later, when the opening actually takes place.

3. Remember, once you are notified of an opening, you will have TEN days to respond with your application letter. Complete instructions will be in the notification announcement, allowing you to compete with the other club members who are also seeking the same position.

4. You should be aware that RCMA Editors are club volunteers, and that you will be required to write a monthly column, if selected. All column material must be "camera ready" when submitted, mistake free and ready to print. You must have a typewriter or word processing printer available for your use.

5. Your application will receive equal consideration in the competition for the Editor positions you list. You must be a current RCMA member to be considered for any staff vacancy.

Although there is no pay for being an RCMA Editor, there are certainly some benefits. For example, Editors receive their NEWSLETTERS free of charge, and their issues are mailed by first class mail. You also receive the personal satisfaction of seeing your work in print each month, and you help RCMA grow by making a valuable contribution through your monthly column efforts.

You are encouraged to list yourself today! Get on the Editor Wait List so you can be notified when the position(s) of interest become available. We will no longer make Editor vacancy announcements as part of the regular publication, hoping to fill vacancies as soon as they occur! The NEW Editor Wait List will allow Editors to be appointed promptly when current staff positions become available! This announcement will be published at least four times a year. Won't you consider joining the volunteer RCMA staff!!

AIRCRAFT

Send private, commerical, firefighting and law enforcement aircraft frequencies of interest in the 108-136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft plus questions, articles and tips related to aircraft monitoring to:

Darrel Charest, 1913F Oak Creek Lane, Bedford, TX 76022

Darrell was not able to submit a column this month. The following frequencies are the conclusion of last month's column (not printed due to lack of space). I believe they were sent by Daniel McNulty (mentioned on p. 12 of the October issue), but will leave it to Darrell to confirm.

RCMA General Manager

AIRPORT COMMUNICATIONS

Minneapolis/St. Paul International (Wold-Chamberlain Field). Bloomington

120.800	(ATIS) Automatic Terminal Information Service. Arrivels		
135.350	(ATIS) Automatic Terminal Information Service. Departures		
133.200	(CLNC DEL) Clearance Delivery		
121.900	Ground Control	Airport Fire (MAC)	
348.600	Ground Control	154.205	
126.700	Tower		
257.600	Tower	VOT	Emergency
120.000	North or West Departures	111.000	121.500
124.700	South or East Departures		
Within 20 Nautical Miles From Airport		Vortac	Unicom
121.200	Northeast Arrivels	115.700	122.950
125.000	Southwest Arrivels		129.750
126.500	North/Northwest Arrivels		
Beyond 20 Nautical Miles From Airport		VOR	Flight Watch
119.300	North or West Arrivels	122.100	122.000
126.950	South or East Arrivels		
335.500	Approach Control. Arrivels		
Flight Plans			
122.200			
122.300			
122.550			
109.300	ILS Runway 04. Localizer Callsign (I-APL)		
109.900	ILS Runway 29 Right. Localizer Callsign (I-INN)		
110.300	ILS/DME Runway 29 Left. Localizer Callsign (I-MSP)		
110.300	ILS/DME Runway 11 Right. Localizer Callsign (I-HKZ)		
110.500	ILS Runway 22. Localizer Callsign (I-SIJ)		
115.300	(DME) Distance Measuring Equipment		

Non-Directional Beacons
266 Khz MS (Narco) LOM For ILS Transcribed Weather From MSP FSS
338 Khz AP (Vagey) LOM For ILS

Anoka County Airport (Janes Field). Blaine

117.300 Vortac (GEP)
118.200 Tower (1500-2300Z Sat-Sun)
121.300 (CLNC DEL) Clearance Delivery
121.800 Ground Control
122.800 Unicom
122.950 Unicom

Crystal Airport

117.300 Vortac (GEP)
120.700 Tower (1300-0300Z)
120.700 (CTAF) Common Traffic Advisory Frequency
121.500 Emergency Frequency Not Available At Tower
121.600 Ground Control
122.950 Unicom
125.700 (ATIS) Automatic Terminal Information Service (1300-0300Z)

Flying Cloud Airport. Eden Prairie

109.700 ILS Runway 09 Right. Localizer Callsign (I-FCM)
110.100 ISMLS Runway 09 Right. Callsign (M-HNP)
111.800 (IAF) Initial Approach Fix. Callsign (FCM)
118.100 Tower (1300-0300Z)
118.100 (CTAF) Common Traffic Advisory Frequency
121.700 Ground Control
121.700 (CLNC DEL) Clearance Delivery (0400-1300Z)
122.950 Unicom
124.900 (ATIS) Automatic Terminal Information Service
125.200 Tower (1300-0300Z)

Gateway North Industrial Airport. Anoka City

117.300 VOR (GEP)
122.800 Unicom

Lake Elmo Airport

117.300 Vortac (GEP)
122.800 (CTAF/Unicom) Common Traffic Advisory Frequency

South St. Paul Airport (Fleming Field)

122.700 Unicom

St. Paul Downtown Airport (Holman Field)

41.500 Army Reserve
49.650 Army Guard
108.500 ISMLS Runway 30. Localizer Callsign (M-HOF)
111.500 ILS Runway 30. Localizer Callsign (I-STP)
117.300 Vortac
118.350 (ATIS) Automatic Terminal Information Service
119.100 Tower (1300-0400Z)
119.100 (CTAF) Common Traffic Advisory Frequency
121.200 Approach
121.700 Ground Control
121.700 (CTAF) Common Traffic Advisory Frequency
122.950 Unicom
254.300 Ground Control
257.800 Tower (1300-0400Z)
257.800 (CTAF) Common Traffic Advisory Frequency
400 Khz ST (Bondy) Non-Directional Beacon (LOM)

AMATEUR RADIO COMMUNICATIONS

This column is for reporting on amateur radio activities that may be of interest to scanner listeners. Send reports and questions concerning repeater nets, civil emergency systems, packet ratio, amateur TV, etc., to:

Terry Stader, MI-062, 8 Christopher Road, Westford, MA 01886

Greetings..... Got some mail this month! On to that in a second.... The September issue of Popular Communications had some very good articles on Amatuer Radio, including an article on W1AW the ARRL Headquarter's station and another article on ham radio in general. The author discussed the amatuer band plan up through 2 meters. Very good reading for those of you that would aspire to become hams.

The amatuer radio community has another satellite in orbit.... The new Japanese JAS-1 was launched in August. This satellite when fully operational will be able to provide "packet" communications as well as the other conventional modes. There are several "nets" in operation that you might want to listen to if you are interested in finding out more information.

OSCAR 10 the satellite that recently suffered a memory problem due to radiation has been restored to limited operation. Not clear on just what capabilities are not fully operational.

Got a nice input from **Pete, KZ1Z, CT-073.** Pete has provided the Civil Prepardness Area One Communications Plan in Connecticut. It is quite detailed. Even though it is quite dated, Pete indicates that it is still applicable. The six-meter frequencies are never used, the AM Gonsets once provided have probably bit the dust. Pete is on CompuServe as 72376,2557 and PLINK as Pete-KZ1Z. Pete also is on packet and checks into the W1AW-4 and WA2RKN-2 Bulliten Boards. Thanks for the input.

Connecticut Office of Civil Prepardness

Area 1 Communications Plan

The Area One Civil Prepardness Headquarters is located in the basement of Woodbury Hall at Fairfield Hills Hospital in Newton, Connecticut.

Area One is located in tghe southwest section of the state and includes all towns in Fairfield County anfd the following: New Milford, Washoington, Bridgewater, Roxbury and Woodbury in Litchfield County and the towns of Middlebury, Oxford, Naugatuck and Beacon Falls in New Haven County.

ALPHA 11 NET

NET CONTROL STATION: SOUTHBURY-WC1ABC

NET CONTROL:

CP FM NET	153.755
Towns to Net Control	146.445
Towns to State	3.965
Towns to Area	145.500

Local Frequencies

Town	Call	F1	F2
Beacon Falls		146.925	147.525
Bridgewater		146.985	146.430
Middlebury		146.460	50.660

Naugatuck	W1BGT	147.150	146.550
Oxford		145.605	147.510
Southbury	WC1ABC	145.200	
Roxbury		147.555	53.690
Washington		146.565	
Woodbury		147.285	147.570

ALPHA 12 NET

NET CONTROL: DANBURY-WC1ACR

NET CONTROL-

CP FM NET		153.755	
Towns to Net Control		146.940	
Towns to State		3.965	
Towns to Area		145.500	

Local Frequencies

Bethel	KZ1Z	147.450	50.480
Brookfield		146.415	
Danbury	WC1ACR	147.225	147.465
New Fairfield		146.380	146.400
New Milford		146.620	146.550
Newton		147.495	53.450
Redding		147.615	
Ridgefield		147.600	
Sherman		146.460	

ALPHA 13 NET

NET CONTROL: TRUMBULL-WC1ACT

NET CONTROL-

CP FM NET		153.755	
Towns to Net Control		144.900	
Towns to State		3.965	
Towns to Area		145.500	

Local Frequencies

Bridgeport	W1EJH	147.165	147.63
Easton		145.620	147.435
Fairfield	WC1ACK	145.320	147.615
Monroe		147.630	146.835/.235 Repeater
Shelton		146.985	147.645
Stratford		145.62	147.510
Trumbull	WC1ACT	145.260	147.450

ALPHA 14 NET

NET CONTROL: NORWALK-WC1ACV

NET CONTROL-

CP FM NET		153.775	
Towns to Net Control		145.650	
Towns to State		3.965	
Towns to Area		147.390/.990 Norwalk Repeater	

Local Frequencies

Towns	Call	F1	F2
Darien	WC1ACD	145.380	147.570
Greenwich		147.105	147.525
New Canaan	WC1AAS	145.440	147.420
Norwalk	WC1ACV	145.560	147.585
Stamford		145.200	147.540

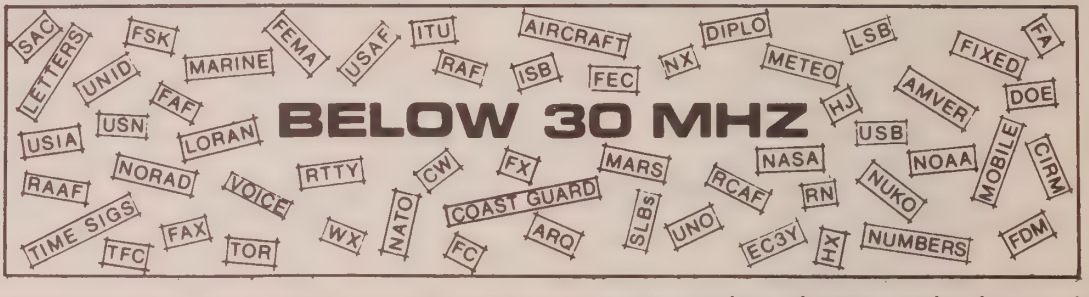
Weston	145.045	147.420
Westport	147.990/ .390	147.600 Repeater
Wilton	146.925	146.580

Repeater Frequencies Available for Emergency Use

Repeater Location	Frequency
Danbury	147.120/.720
Litchfield	146.955/.355
Monroe	146.835/.235
Naugatuck	147.180/.780
Norwalk	147.390/.990

Links to be aware of

Putnam County, NY	145.135/144.535
Nutmeg NET	146.880/.280
Fairfield County FMA	146.475/147.475 PL 1Z
Torrington CP	147.840/240
Northwest CT ARES	146.955/.355
Prospect	147.315/.915
Torrington	146.850/.250
Milford CP NET	146.925/.325



This column is for HF AM, CW, SSB, RTTY and FAX reception reports, note, articles, and questions related to HF utilities. Services covered in this column include aeronautical, coastal/marine, weather, government, military and 'spy' stations — essentially everything except broadcasting, CB and amateur radio.

Send reports to: Geoff Halligey, 85 Southwood Road, Cottingham, England, HU16 5AJ.

THE SPY

At long last the reply frequency to the transmission on 11,510 kHz has been discovered - it is 11,135 kHz, not so far away, but as stated, transmissions are very brief.

When control (11,510) says 'plus 1' the outstation goes up to 11136 and similarly he goes down to 11134 when control asks for 'minus 1'.

The outstation uses a different call to control, for example, on August 17 control used FGT, while the outstation was ZLO. No traffic has yet been read, but of course there are some days when it is not possible to listen.

The transmission time is still 0745 UTC daily, but expect it to change to 0845 UTC when Europe goes back to winter time in October.

None of this gets us anywhere, but it is satisfying to beat someone's secret system occasionally !

IMMARSAT

ITU's TELECOMMUNICATION JOURNAL reports that there are now over 4,000 vessels fitted with satellite communication equipment. These vessels can therefore carry out virtually all their HF communications via IMMARSAT, which must eventually lead to a reduction in the number of HF Coast Stations.

Whether there is any connection is not known, but two US Coast Stations are reported closed, as far as their HF communications are

concerned; these are:

WAK New Orleans, LA, and
WOE Lantana, FL.

THIS MONTH'S LOG

7961.0	CW	....	unid, p/l Italian wx addressed to IAAF, a collective call	1540
8842.0	CW	COL	Havana Aeradio, Cuba, wkg RFNV, Moscow, concerning Aeroflot flights	0928
11136.0	CW	MJVK	unid - sends this call and a few VVVs on ev. hour and half-hour	1030-1530
13250.5	CW	BPA	Wulumqi Aero, PRC, clg QYT	1040
14534.0	Piccolo		unid, but British Embassy	1300
14827.0	CW	TUW	Abidjan, Ivory Coast. This INTERPOL station broadcasts bulletins daily (heard 0900 - 1400) to 6WZ Dakar, Senegal; 5VP2 Lome, Togo; TNS9 Brazzaville, Congo and others. Although most INTERPOL transmissions are now effected in ARQ mode, CW is still heard, as above. Other CW INTERPOL transmissions heard recently include 5Y/25 Nicosia, Cyprus, to Paris on 19360 and Bogota on 10390 at 2230.	
18040.0	RTTY	...	Ankara, Turkey. Agence Anatolie Nx in EE & FF // on 10040	1300
18220.9	RTTY	CNM34X9	Rabat,Morocco. MAP Px, EE // 10475.2 & 14574.4	1500

That's all for this month, no column next month as shall be on holiday (or even vacation) in Yugoslavia. Hope to hear something of interest there on my little Sony. Cheers!

Geoff

BUSINESS, ETC.

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufacturers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.) General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to:

Send Business monitoring information East of the Mississippi to:
Brandt Niemuth, P.O. Box 541, Rosemont, IL 60016

Welcome: From Ken Roberts (FL-025) comes the following;

150.875	Daly's Towing	Fort Lauderdale
150.875	Phil's Towing	Hollywood, Fl
157.5	Mac's Towing	Hollywood
157.5	Driscoll's Towing	Pompano Beach
461.875	Sunny's Towing	Fort Lauderdale
462.15	Vrchota Towing	Deerfield Beach
463.45	Cousin's Towing	Fort Lauderdale
461.175	Speedy's Towing	Fort Lauderdale
463.525	C and C Towing	Fort Lauderdale
463.9	Festa Towing	Hollywood
464.4	Hal's Towing	Hollywood
471.9125	Star Towing	Fort Lauderdale
471.9375	City Towing	Fort Lauderdale
*861.6625	Sal's Towing	Oakland Park
*862.6625		
*863.6625		

*864.6625
*865.6625
* 5 channel trunked system for Sal's Towing.

461.575	Atlas Security	Fort Luaderdale
462.075	Nite Owl Security	Fort Lauderdale
472.7875	T O C Security	Fort Lauderdale
851.9375	Wackenhut Security	Miami
852.0375	Wackenhut Security	Fort Lauderdale
463.975	American Cable Systems	Pampano Beach
851.4875	Selkirk Cable TV	Fort Lauderdale
851.8125	Hollywood Cablevision	Hollywood

From Scott Glicker (FL-033):

154.515	Acme Security	Broward County, Fla

Send Business monitoring information West of the Mississippi to:
Cliff Polkinghorn, 14310 Acacia St., San Leandro, CA 94579

WELCOME TO BUSINESS WEST. MAIL HAS BEEN LESS THAN SLOW LATELY. I SURE HOPE ALL OF YOU ARE NOT FORGETTING ABOUT THE BUSINESS RADIO SYSTEMS. OBVIOUSLY THERE ARE PLENTY OF FREQUENCIES, AND OTHER INFO TO BE SHARED, SO LETS GET WITH IT OUT THERE.

THIS INFO COMES FROM MY OWN PERSONAL FILES

30.76	KZM 284	SECURITY ALARM SYSTEMS	
OAKLAND		SECURITY	
30.8	KIV 39[illegible]	C & L TOW	
SO. SAN FRAN.		TOW	
30.8	KJP898	HILTON HOTEL	
S.F.		HOTELS	
30.8	KTY 400	TERRA LINDA INN CORP.	
SAN RAFAEL		HOTELS	
30.82		CANTERBURY HOTEL	
S.F.		HOTEL	
30.88	KSR 607	BAKER PROTECTIVE SVC.	
SAN JOSE		SECURITY	
30.88	KNAP 764	ELKHORN TOW & STORAGE	
SAN FRAN.		TOW	
31.0	KFW 924	PORTAS BODY SHOP	
RED. CITY		TOW	
31.0	KRD903	S.F. CITY COLLEGE	
S.F.		UNIV	
31.0	KTS 976	S.F. NEWSPAPER PRINTING CO.	
SAN FRAN.		NEWS	
31.24	WYA 427	BELLARMINE COLL. PREP.	
SAN JOSE		UNIV.	
31.24	WQS 672	DATA PRODUCTS CORP.	
SAN JOSE		INDUS.	
31.24	KNFL 424	VERSATEK	
SANTA CLARA		INDUS.	
33.08	KDZ 385	MERCER PENINSULA AMB. CO.	
COLMA		MEDICAL	
33.14	KZ 5807	GTE LABORATORIES	
MT. VIEW		INDUS.	
33.14	KL 9470	IBM	
SAN JOSE		INDUS.	
33.16		HARVEY'S CASINO	
SO.LAKE TAHOE		CASINO	
35.02		ICE CAPADES	
S.F.		AMUSEMENT	
35.06	WQF 981	MARIN AUTO BODY	
MILL VALLEY		TOW	
35.06	KAK 377	MARRIOTT CORP.	
SANTA CLARA		HOTELS	
35.06	KLT 992	PERALTA COMM. COLLEGE DIST.	
OAKLAND		UNIV.	
35.08	WRH 742	RAMTEK CORP.	
SANTA CLARA		INDUS.	

35.08	KQT 260	SOUTHLAND SHOPPING CTR.
HAYWARD		SHOP. CTR.
35.1	KML 781	D & S GARAGE
SAN RAFAEL		TOW
35.14	KGH 230	MARIN TOWING SERVICE
SAN RAFAEL		TOW
35.14	KAW 801	MONTGOMERY WARDS
SAN LEANDRO		SHOP. CTR.
35.18	KQZ 873	GROUP W CABLE
LOS GATOS		UTILITIES
35.18		HARRAH'S CASINO
SO.LAKE TAHOE		CASINO
35.7	KCU 661	ABC TOWING
SAN FRAN.		TOW
35.7	KCY 281	ATLAS TOW SERVICE
SAN FRAN.		TOW
35.7	KCY 278	COURTESY TOW SERVICE
SAN FRAN.		TOW
35.7	WRD 969	FOLSOM AUTO BODY
SAN FRAN.		TOW
35.7	WQF 344	J & P TOWING
SAN FRAN.		TOW
35.7	KCY 280	NATIONAL AUTOMOBILE CLUB
SAN FRAN.		TOW
35.7	KFS 383	RAYNE WATER CONDITIONING
SARATOGA		MISC.
35.7	KNAD 959	SUPER X SERVICE
SAN FRAN.		TOW
35.7	KYP 753	SYCAMORE TEXACO
DANVILLE		TOW
35.7	WRK 273	TRIPLE C TOWING
SAN FRAN.		TOW
35.88	KKT 362	COURTESY TOW SERVICE
SAN JOSE		TOW
35.92	KMF 989	JACK JAMES TOW INC.
SAN LEANDRO		TOW
35.92	KST 462	STANFORD COURT HOTEL
SAN FRAN.		HOTELS
35.92		STANFORD COURT HOTEL
S.F.		HOTEL
35.94	WSE 474	CALIFORNIA TOW SERVICE
SAN FRAN.		TOW
35.94	KMC 996	DELTA TOWING SERVICE
MT. VIEW		TOW
35.96	KJJ 740	AVANUE AUTO SERVICE
SAN CARLOS		TOW
35.96	WXS 977	DODGE RIDGE
PINECREST		SKI RESORT
35.96	KDR 925	HANKS AUTOMOTIVE SERVICE
SAN LEANDRO		TOW
35.96	KYN 452	S.F. STATE UNIV.
SAN FRAN.		UNIV.
35.98	KRQ 479	CALIF. HYATT CORP.
PALO ALTO		HOTELS
37.48	KTY713	UNION OIL
BIG GEYSERS		INDUS.
39.96		S.F. STATE UNIV.
S.F.		UNIV.
42.96	WXS 802	A-1 PROFESSIONAL TOWING
BEN LOMOND		TOW
42.96	KNFH 355	JIMS AUTO BODY
CONCORD		TOW
42.96	KTJ 847	RONS SHELL STATION
MARTINEZ		TOW
42.96	KRI 349	STAUFFER PHARMACEUTICALS
MARTINEZ		INDUS.
42.96	KTN 802	VIERA RADIO PATROL
CORTE MADERA		SECURITY
42.98		DISNEYLAND-SPACE MTN

ANAHEIM		AMUSEMENT
43.0	KNBE 700	ALCO TOWING
FREMONT		TOW
48.82	kmd638	PGE
MILPITAS		UTILITIES

CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to:

Rob Berezowski, 310-4045 Rae St, Regina, Saskatchewan, Canada S4S 6Y8

Once again another month rolls around and time now for the November Canada column. The last month sure went by quick. It's also getting cool at night. Horror of horrors! Winter is on the way. As a lot of things in life, this is inevitable. But wait, there's Indian Summer!

To start off this month, I have one more quick update on Expo 86. The gates close forever on October 13, and hopefully this information will barely make it into print in time. So far Expo is a success with over 15 million visits, but we'll have to wait for the financial report. From the trivia file, Expo employs 15,000 people and 1 robot, and Expo staff wear over 100,000 wardrobe items.

The radio monitoring information comes from Sid (CANA-109). He has been told that Expo staff have a 12 channel Midland base station at the communications centre. Sid has confirmed 11 of the frequencies as below:

EXPO 86 SITE OPERATIONS

422.6875 / 427.6875in	Ch 9	
422.7375 / 427.7375in	Ch 1	Security/Medics/Fire units
422.7625 / 427.7625in	Ch 6	
422.7875		
422.8125		Kilo & Echo Base/Portables
422.8375		
422.8625		Monorail
422.8875 / 427.8875in	Ch 4	
422.9125	Ch 12	Expo Fire Dept Tactical
422.9375 / 427.9375in	Ch 2	
422.9625 / 427.9625in		(unconfirmed -rb)
422.9875 / 427.9875in		

Sid indicates that 422.8125 seems to be the channel the security staff (on 422.7375) switch to when they go to simplex. It is possible that security staff assigned to a particular pavilion or other location will use this simplex channel for operations.

Adjacent to the West Gate of the Expo site is a large parking lot for the loading and unloading of buses. Expo staff supervising this lot can be heard on 422.8375. The Expo Ferry dock staff and the Expo employee shuttle bus can also be heard on this channel.

The Expo Fire Dept (units Foxtrot 1, 2, and 3) usually operate on 422.7375 (R) with the Security staff. When a fire call is received, they use 422.7375 for enroute communications. Once they arrive on scene, they switch to Ch 12 422.9125 (S) for tactical operations, as well as communications with their own base station.

Based on what he has heard, Sid feels that operations on 460.6375, 460.9125 and 461.7375 are mainly associated with the B.C. Pavilion and Expo Administration (i.e. the big brass).

Expo Ernie, the public relations mascot for Expo 86, is a remote controlled robot constructed to look like a 3' space suited astronaut. Sid has heard Expo Ernie on 421.0125 / 426.0125. One can hear the kids

talking to Ernie, and Ernie talking back to them. (In addition, I have another report that Expo Ernie also operates on 421.0625 / 426.0625, but this is not confirmed. If this is correct and two frequency pairs are used, then it is my guess that one channel is used for voice, and the other channel used for remote control. -rb)

Sid also passes on that Maple Ridge Fire Dept is now on 410.1125, and it appears that operations on the old frequency of 154.370 have ceased.

Thanks again for the information, Sid. It's unfortunate that no other RCMA members live close enough to the Expo site to provide regular information, but Sid says that he quite enjoys listening to Expo operations. I hope that my emphasized coverage of Expo in the column has assisted any members visiting Expo, and I hope I haven't alienated the Eastern Canada members.

Brian (CANA-077) has written in with some additional information for the Toronto area:

Toronto Int'l Airport Fire Dept	461.775
" " " " "	461.8875/466.8875in
" " " " "	121.900 *
" " " RCMP	413.0625/418.0625in
" " " "	413.2875/418.2875in
Metro Toronto METRO-NET Emergency Frequency	151.295

* - As you may know, this is a Ground Control frequency. For anyone monitoring Airport Fire Departments anywhere, it would be wise to plug in the Ground Control channel in use. It appears to be very common practice for Airport Fire units to receive "stand-by crash position" assignments from the Ground controller. Also, information from the aircraft in trouble is relayed to the Fire units from the Tower controller through the Ground controller. The Fire units also require permission from the Ground controller before travelling anywhere on the tarmac, and this is usually done on the Ground Control channel. -rb

Brian reports that METRO-NET 151.295 is a confirmed frequency, and was used during a recent hostage siege.

Brian also has some corrections and updates to the Toronto material that appeared in the February 86 Canada column. Some of the frequencies supplied by Bruce (CANA-019) for the Metro Toronto ALS Service are in error. Brian reports that the following frequencies are used by ALS:

METRO TORONTO PARAMEDIC (ALS) SERVICE

Dispatch	148.360
Ch 2	149.605
Ch 3	143.340

Brian says that these are the only frequencies being used at the moment. Brian doubts the accuracy of some of the frequncies in Bruce's list. There may be future changes, but so far nothing has been said in the Metro Ambulance Service. From Bruce's list, 149.410 is the Metro Toronto Ambulance Tactical frequency (no repeater). 149.170 is commonly assigned as Ch 2 for many Ontario ambulance services. It is also the repeater input for Mississauga Ambulance on 149.605. 149.335 is an input frequency for Mississauga Ambulance Dispatch Ch 2.

Just to clarify the material for the Mississauga Regional Ambulance Computer Aided Dispatch System (CADS) UHF mobile repeater system (also in the February issue), Brian says that the UHF portables transmit on the 418 MHz frequencies listed. The ambulance repeater transmits on the 413 MHz frequencies to the portables, and rebroadcasts to the dispatcher through the VHF frequencies.

To update the situation regarding the problems with interference between the new Mississauga Ambulance CADS system and the Metro Toronto Ambulance and ALS system, Brian reports that the problems have not improved at all. Let's hope that by now they have stopped trying to blame each other and are now working on a solution.

Except for the correction to the METRO-NET frequency mentioned above, Brian confirms all of the list printed in the February issue from "good old reliable." ("Good old reliable" is a member who wishes to remain anonymous. -rb)

Our next letter comes from a regular contributor, Bruce (CANA-019). He has sent in several newspaper clippings. The first item appeared in the March 5, 1986 issue of the Toronto Star, and deals with the Ontario government's approval of funds for the new OPP radio system. The article is similiar to the clipping I mentioned last month sent in by Tom (CANA-084). One item not mentioned last month is the fact that the OPP Association, representing 4,300 OPP officers, was prepared to launch a $75,000 advertising campaign if the $106.9 million had not been approved by the provincial cabinet. This shows how desperately the new radio system is needed.

Another article sent in by Bruce deals with a decision by the Ontario provincial government to put another $2.7 million into Metro Toronto and Hamilton paramedic programs. The article appeared in the Toronto Star on March 30, 1986. Of course the paramedics' chief was ecstatic. This means that training for a dozen more paramedics can begin, and the service will have seven paramedic vehicles, up from the present four. Each vehicle costs $60,000.

Paramedics have treated more than 6,500 patients during the two year pilot project, including heart attacks, epileptic seizures and even gunshot wounds to name but a few examples. The paramedics have been credited with saving at least 15 lives over the past two years. The $2.7 million means that the paramedic program can continue, and the government is also thinking of setting up paramedic programs in five other Ontario communities.

Selecting and training paramedics begins with a three hour examination written by the applicants. Then they must appear before a panel of two doctors and two supervisors. If they pass, the candidates then embark on a 48 week training program. Ambulance supervisors hope that the training program can be condensed in order to save time.

It's not known yet which municipalities will have paramedic service by the end of the five year plan. The communities will be selected on the basis of need and recommendations from emergency health service planning committees of district health councils across the province. "Paramedic services will form an integral part of the provincial emergency health system," said Ontario Health Minister Murray Elston.

From the same issue of the Toronto Star (in fact, on the same page, A20), Bruce sent in another clipping. This article centres on remarks made by Metro Toronto Police Chief Jack Marks, saying he may push for federal legislation to ban the public from listening to police radios. Marks has told the Metro Police Commission that "the problem is a serious one,... the public, the media, tow truck drivers and even criminals monitor police radios and sometimes interfere with police operations. The criminals know the location of our cars and everything."

Currently there is no legislation forbidding non-police officials from monitoring police radios. Marks may ask the Canadian Association of Chiefs of Police to request the federal government to bring in such legislation. Marks concedes that with today's technology (most notably phase-locked loop (PLL) synthesized scanners) to stop such monitoring, but the "problem" can be avoided by using computer terminals (MDTs) now being installed.

Also, the Metro Police have a problem with the sale of blue caps with insignias that look like the official Metro Police crest. It is illegal to duplicate the official crest, but the insignias are slightly smaller than the actual crest, and the caps may not be illegal. Marks says that the phony caps may be confusing the public.

Bruce and Harry (CANA-074) have both sent in some more bad news in the form of articles dealing with the Canadian Mobile Satellite (MSAT) project. Bruce sent in a newspaper clipping from the Peterborough Examiner of July 26, 1986. Harry's contribution comes from Radio Communications Report of May 15, 1986. In addition, I have provided some information from an article in the magazine Electronics August 7, 1986. The U.S. FCC has thrown a real monkey wrench into Canadian plans to develop an MSAT system in the 800 MHz band. The FCC have notified the International Frequency Registration Board that they intend to use the L-band (1.5 and 1.6 GHz) for mobile satellite service (MSS). Although Canada requires this L-band spectrum for hybrid 1.5 GHz and

800 MHz satellite systems, the FCC has not provided the necessary 800 MHz spectrum.

The 800 MHz spectrum is much more heavily allocated in the U.S. compared to Canada, and there is a heavier demand for more 800 MHz spectrum for U.S. land mobile services. Both countries had proposed the use of 821-825 and 866-870 MHz for mobile satellite. The FCC has now allocated 6 MHz of this spectrum to terrestrial two-way services, and 27 MHz of L-band spectrum to MSS.

The FCC is really caught in the middle on this issue. Public safety agencies (led by APCO, and supported by Motorola) lobbied and succeeded in getting more 800 MHz spectrum. According to the APCO executive director, they are out of 800 MHz frequencies in 11 major metropolitan areas. On the other hand, 11 of 12 mobile satellite operators opposed the decision. The decision will delay and raise the cost of developing mobile satellite services.

The FCC plans to split up the 28 MHz currently available in the L-band for Aeronautical Mobile Satellite (AMSS). AMSS and MSS will share 18 MHz on a coprimary basis (meaning both services share equally). Another 9 MHz will be AMSS primary and MSS secondary. The other 1 MHz will be AMSS only. But there is a problem here. The international avionics community feels that by the year 2010, AMSS will need all 28 MHz and more for services. The International Civil Aviation Organization is therefore opposed to the FCC decision. The FCC plans to pursue this matter at the World Administrative Radio Conference (WARC) in 1987. Everybody better stand back, it could be a real battle!

Canada's DOC is very firm in stating they require a hybrid L-band/800 MHz system. The FCC have left 4 MHz of 800 MHz spectrum unclaimed, meaning it could be used by Canada for MSAT. This is insufficient to allow a joint Canada-US system to be set up. This joint system was proposed in order for each country to use the other country's satellite in the event of a major failure.

The decision by the FCC is by no means binding. Negotiations between Canadian and U.S. officials will begin shortly, and negotiations between the FCC and other international agencies must proceed before the proposals are finalized. This setback is by no means fatal to mobile satellite services in either country. Canada still hopes to develop a joint system with the USA, but is prepared to implement an 800 MHz MSAT system by itself. This arrangement would mean the sacrifice of some 800 MHz frequencies in northern locations of the U.S.

Telesat Canada will own and operate the planned MSAT system, scheduled for launch in the early 1990s. We'll all have to keep an eye on the situation. I personally hope that some solution will emerge satisfactory to all.

Bruce and Harry also both sent in articles on a new radio system for the RCMP in Ontario to be supplied by Canadian General Electric. CGE has won contracts to supply radio equipment to the RCMP. Included is the CGE "Voice Guard" digital speech encryption system. There are discrepancies in the dollar values for the contracts, but the contracts are worth between $3 and $5 million. The new RCMP radio equipment will be installed in the Province of Ontario, and Ottawa, although no timetable is given. Thanks for writing in Bruce. (We'll have more information from Harry later, but thanks Harry.)

The next letter comes from Mike (MI-152). Mike is involved in badge and emblem sales from various public service agencies. He and Mike Yohnick (a new member) have compiled a list of police frequencies for Ontario:

Alliston Police Force		141.585 / 141.585
" " "		142.080 / 138.060in
" " "		142.635 / 138.615in
" " "	Common	142.770 / 138.750in
Anderdon Township Police		142.335 / 138.315in
" " "	Common	142.770 / 138.750in
Aylmer Police	#1	142.500 / 138.480in
" "		142.125 / 138.105in
" "	Common	142.770 / 138.750in
Brantford Police Force	#1	142.215 / 138.195in
" " "	#2	142.935 / 138.915in

Chatham Police Force			142.185 / 138.165in
" " "		Common	142.770 / 138.750in
Haldimand - Norfolk Regional Police			141.585 / 141.585
" " " "			142.170 / 138.150in
" " " "			142.740 / 138.720in
" " " "		Common	142.770 / 138.750in
Hamilton - Wentworth Regional Police			142.485 / 138.465in
" " " "			142.635 / 138.615in
" " " "		Common	142.770 / 138.750in
" " " "			142.845 / 138.825in
" " " "			143.085 / 139.005in
" " " "			143.430 / 143.430
Ingersoll Police Force			142.065 / 138.045in
" " "		Common	142.770 / 138.750in
Kingsville, Leamington, Mersea Police			154.010 / 154.010
London Police Force		#1	142.035 / 138.015in
" " "		#2	142.305 / 138.285in
" " "	Common	#3	142.770 / 138.750in
" " "		#4	142.875 / 138.855in
" " "		#6	142.695 / 138.675in
" " "		#7	142.995 / 138.975in
Norwich Township Police			143.010 / 138.990in
" " "		Common	142.770 / 138.750in
Sandwich West Police			142.335 / 138.315in
St Thomas Police		#1	142.125 / 138.105in
" " "		Common	142.770 / 138.750in
Sarnia Police Force			142.455 / 138.435in
Sarnia Township Police			142.245 / 138.225in
" " "			142.455 / 138.435in
" " "		Common	142.770 / 138.750in
Stratford Police Force		#1	142.095 / 138.075in
" " "		Common	142.770 / 138.750in
Strathroy Police Force			142.335 / 138.315in
Tillsonburg Police			143.010 / 138.990in
Wallaceburg Town Police			142.965 / 138.945in
" " "		Common	142.770 / 138.750in
Waterloo Regional Police		#1	142.185 / 138.165in
" " "		#2	142.625 / 138.605in
Windsor Police Force		#1	142.035 / 138.015in
" " "		#2	142.215 / 138.195in
" " "		#3	142.875 / 138.855in
" " "	Common	#4	142.770 / 138.750in
Woodstock Police Dept			142.920 / 138.900in
" " "		Common	142.770 / 138.750in

Thanks to both of you for the list, Mike and Mike. I hope we hear from you again in the near future.

That's all for this month. Next month I'll have the 1986 annual index. In the months to come, I'll have letters from Harry (CANA-074), Larry (CANA-106) from the Hamilton area, as well as several other different members. Until next year, best wishes to you all.

COMMUNICATIONS PROFILE

Joe M. Lewis, 750 Scotland St., Dunedin, FL 33528

This column is for special projects that explain various systems in detail. Frequencies and radio codes of not only municipal agencies and certain federal government agencies may be listed, but also large businesses and corporations. The contribution must be lengthy enough that publishing it in one of the regular columns would not be possible. If you are inclined to submit a report as the one below appears, please follow No. 8 in the inside front cover of the Newsletter.

WELCOME TO THE NOVEMBER COLUMN. THIS MONTH, A LOOK AT THE WESTERN KANSAS EMERGANCY MEDICAL SERVICES COMMUNICATIONS SYSTEM, BY DON GRUVER.

THE SPARSELY POPULATED WESTERN 1/3 OF KANSAS IS COVERED BY A STATE-FUNDED UHF REPEATER SYSTEM. THE SYSTEM CONSISTS OF 6 MRCC (MEDICAL RESOURCE COORDINATION CENTER) DISPATCH POINTS. CONNECTED WITH 1-3 OUTLYING REPEATERS.

NORTHWEST AREA:

HAYS MRCC	MED 7	WYZ-266
NORTON	MED 1	WYZ-270

KIRWIN	MED 6	WYZ-269
COLBY MRCC	MED 9	KNBV-689
EDSON	MED 7	WYZ-267
SELDEN	MED 5	WYZ-265
HOXIE	MED 8	WYZ-268

SOUTHWEST AREA:

GARDEN CITY MRCC	MED 7	WYR-530
TRIBUNE	MED 4	WRX-767
SCOTT CITY	MED 6	WYR-533
SYRACUSE	MED 2	WYR-534
DODGE CITY MRCC	MED 7*	WYR-529
BAZINE	MED 5	WYR-535
MEADE	MED 8	WYR-532
LIBERAL MRCC	MED 7	WYR-531
ULYSSES	MED 5	WYR-536
KINGMAN MRCC	MED 7	KNIU-731
BELVIDERE	MED 6	KNIU-732

* MED 1 USED FOR LOCAL DISPATCH, IN DODGE CITY.

THE SYSTEM OPERATES WITH CTSS TONE 7A (192.8) AND USES TOWERS OWNED BY THE STATE IN CONJUNCTION WITH THE HIGHWAY PATROL, AND DEPT. OF TRANSPORTATION RADIO SYSTEMS. THE MRCC'S ARE TIED INTO THE OUTLYING REPEATERS BY THE FOLLOWING FREQUENCIES LISTED IN POLICE CALL:
451.425/456.425 COLBY, LIBERAL AND DODGE CITY
451.525/456.525 EDSON, 452.150/457.150 COLBY
452.250/457.250 GARDEN CITY, 452.325/457.325 GARDEN CITY
THE LINK FROM HAYS TO KIRWIN GOES OUT ON 457.100 AND BACK ON 452.100. THIS IS THE ONLY ONE DON CAN CONFIRM. THE NORTHWEST REPEATERS HAVE JUST HAD A PHONE PATCH SYSTEM ADDED TO EACH TOWER SO AMBULANCES CAN CONTACT AREA HOSPITALS AND DISPATCHERS. MOST HOSPITALS IN THE SYSTEM DO HAVE RADIOS MOSTLY UTILIZING MED 9 & 10. THE MRCC AT COLBY DODGE CITY AND KINGMAN ARE LOCATED AT THE CENTRAL DISPATCH FOR THAT AREA. LIBERAL AND GARDEN CITY ARE AT HOSPITALS. HAYS MRCC WAS RECENTLY MOVED FROM THE 911 DISPATCH TO OUR OFFICE AT ELLIS COUNTY EMS, SEE PICTURE 1.

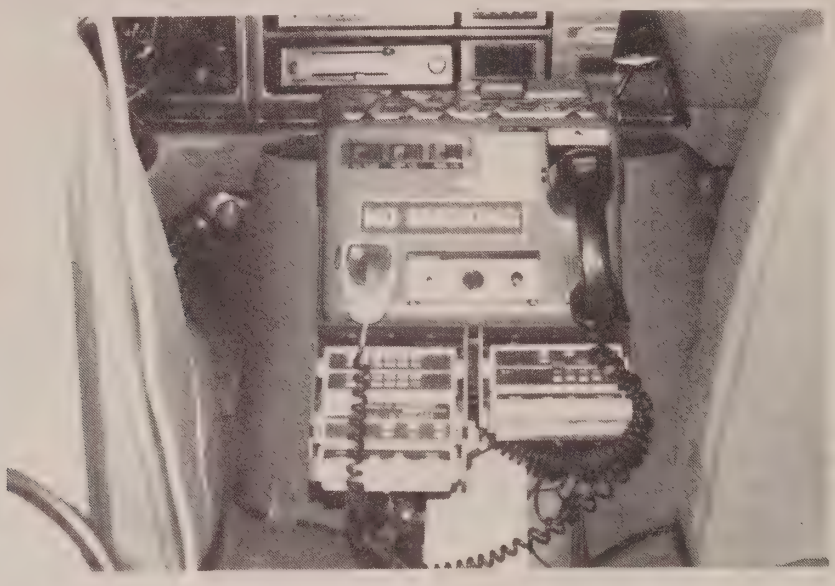
THIS IS HAYS MRCC, IT IS A MOTOROLA CENTRACOM WITH CONTROLS FOR ALL 3 TOWERS. THE PHONE PATCH CONTROLS ARE NOT USED SINCE THE PHONE PATCH CAN BE ACCESSED BY AMBULANCES WITHOUT MRCC ASSISTANCE. ABOVE THE CONSOLE ARE A DIRECTOR PAGER, HT440, AND MT500..BESIDE IS THE PAGER ENCODER AND MIC HOOKED INTO THE MAXAR RADIO(ALL MOTOROLA EQUIPMENT).

FREQUENCIES USED: MAXAR AND HT-440:

467.950/462.950	MED 9	ST. ANTHONY'S HOSPITAL
467.975/462.975	MED 10	HADLEY REGIONAL MED CENTER
462.925/462.925	KNFK-435	PAGERS
468.150/463.150	MED 7	REPEATER

MOST OF THE LARGER CITIES IN THE EASTERN PART OF THE STATE HAVE A UHF SYSTEM WITH A CHANNEL OPEN FOR MRCC AMBULANCES TO ACCESS THEIR SYSTEM USUALLY MED 7.

I NOTICED SEVERAL OTHER COUNTIES RECENTLY STARTING UP MED REPEATERS, SO HOPEFULLY THE SYSTEM CAN BECOME STATEWIDE BEFORE TOO LONG.



THIS IS ELLIS COUNTY EMS #231 OUR FIRST OUT AMBULANCE, A 1977 HORTON 500MR FORD VAN. AT LEFT IS A 12 CHANNEL MICOR WITH MEDS 1-10 AND TONE ENCODER FOR ACTIVATING PHONE PATCH AND HOSPITAL ER RADIOS, AT RIGHT IS A 6 CHANNEL MICOR RADIO AS FOLLOWS:

CHANNEL ONE	39.58/39.58	STATEWIDE SHERIFF BISPATCH
CHANNEL TWO	39.70/39.58	RARELY USED, MOBILE TO BASE
CHANNEL THREE	39.58/44.98	SHERIFF TO HIGHWAY PATROL
CHANNEL FOUR	/44.82	HIGHWAY PATROL MOBILE TO BASE

UNIT SCANS ALL FOUR CHANNEL, WITH 39.58 PRIOTY. ABOVE THE RADIOS ARE SWITCHES FOR EMERGENCY LIGHTS AND A FEDERAL PA200 SIREN. BOTH RADIOS HAVE HEADSETS IN THE PATIENT COMPARTMENT. DON WANTS TO KNOW" IF ANY DENVER MEMBERS KNOW IF THERE IS ANYWAY TO ACCESS COMM CENTER DISPATCH SINCE OUR CTSS TONE IS DIFFERENT? WE HAVE NO WAY OF CONTACTING ANYONE ON THE ROAD TO DENVER. IF THERE IS AN ACCESS CODE TELL ME, THEIR DISPATCH DID NOT KNOW WHAT I WAS TALKING ABOUT WHEN I CALLED THEM, MY ADDRESS

DON GRUVER KS-010

202 EAST 24th, HAYS, KANSAS 67601

THAT IS ALL FOR THIS MONT, SEE YOU ALL NEXT MONTH, PLEASE SEND SOMTHING

contact info wanted

This column has two purposes: to help members *contact* each other, and to help members obtain *information* directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interest, *this* is the perfect place for you to make known your interests. Remember — those who respond will do directly, so be sure to provide your phone number, the best time to be called, or your address. Write to:

Scott Mattson, 2820 Bridge Ave., Point Pleasant, NJ 08742

INFO WANTED: This member seeks the frequency for the secondary channel known as channel 5 for Fort Ord, CA law enforcement activity. I also seek frequencies for US Border Patrol in Salinas, CA and Monterey county sheriff channel 4. Any info will be greatly appreciated and I'll gladly pass back any local and Fort Ord frequencies I have. RUDOLF JAGER (CA/MO-001) P.O. Box 981, Marina, CA 93933 (408) 384-6696

INFO WANTED: Can anyone help me identify an agency known as MARATHON RESCUE on the frequency of 45.20? I receive this agency quite often during the summer months and have been unable to identify it. YE EDITOR at above address

INFO WANTED: I am preparing a directory of activly used frequencies used by Law Enforcement, Special Emergency, Fire, Business, etc. Any frequencies and data should be confirmed. Credit will be given at the end of the directory. For more information, contact:
DAVID R. FULLER (LA-031) Rt. 2-Box 156A, Bogalusa, LA 70427 or phone at home (504) 732-9903 or work (504) 732-2238 9AM to 5PM

INFO WANTED: This member seeks frequencies for the Detroit area. I am interested in state, fire, local government, business, etc.
LEO H. CROFT (MA-159) 8 Overbrook Terrace, Natick, MA 01760-1420

CONTACT WANTED: This member wishes to contact members from the Province of Quebec and USA members near the Canadian border in Vermont and Maine.
GILLES THIBODEAU (CANA-101) 3653 Montcalm, Lac-Megantic, Quebec, Canada G6B 2H8 (819) 583-1817 after 4 PM

INFO WANTED: This member seeks frequency info for the East Boston, MA area. Frequencies for tow trucks, taxis, Boston tactical police. All information will be appreciated.
DAVID WOODWARD (MA-161) 29 Jeffries St., East Boston, MA 02128

INFO WANTED: I am looking for the station numbers and locations of the Santa Barbera County Fire Department.
JAYD SWENDSEID (CA/VE-033) 1677 Kenewa, Ojai, CA 93023 (805) 649-3201

INFO WANTED: This member is looking for the frequency of the Postal Service in the city of Poughkeepsie, New York.
KEVIN BATHRICK (NY-314) P.O. Box 103, Amenia, NY 12501 (914) 373-8801

INFO WANTED: This member seeks info regarding Las Vegas Metro PD unit numbering, Nevada Highway Patrol unit numbering, Fresno County Sheriff unit numbering, and all California PD/SO unit numbering. Will trade for CHP unit numbering or other California PD/FD unit numbering. I have extensive listings.
RANDY BUXTON (CA/OR-230) 1634 East Arbutus Ave., Anaheim, CA 92805

FCC TOPICS

George DuBois, Editor

FCC news and information of interest relating to two-way communications. Send comments and questions to:
George DuBois, 10048 NE Campaign, Portland, OR 97220

The Commission has modified its rules to require licensees of cellular mobile telephone systems to begin service within 18 months of the grant of their license. The existing rule requiring service to 75% of their geographic service area within three years will still remain in effect. Under that rule, though, a licensee wasn't required to do anything for those three years if he didn't want to. This amendment, which affects those markets below the top 90, will ensure that cellular lottery winners will begin service as rapidly as possible. Service may consist of a single cell if necessary. The Commission had originally proposed a 12 month construction period. It is their desire to both weed out many of the "speculative" lottery applications, while also ensuring service to the smaller markets as soon as possible.

At the request of Aeronautical Radio, Inc.(ARINC), the Commission has amended Part 87 to permit the transmission of administrative-type messages by digital means in the VHF aircraft band. Digital transmissions have been permitted in the Aeronautical Enroute service for some time, but only for "operational control", messages relating to the actual operation of the aircraft - times, fuel, weather, etc. ARINC operates ACARS, a nationwide data transmission system for subscribing airlines. This amendment allows ARINC to use their system to send messages relating to passenger scheduling, aircraft provisions, service needs and the like. All such messages are on a secondary basis and a priority system must be incorporated to provide for operational and priority messages.

The FCC has released a proposal to allow direct access to paging systems operating in the land mobile bands from the regular telephone system. Direct, dial-up paging has been allowed on the channels in the 929 to 930 mHz band and few problems have developed. Channels in that band are available to any person eligible in any of the Private Land Mobile services and additional paging channels are available in other bands (such

as 462.75 through 462.925 mHz), plus on a secondary basis, in most other bands. In theory, of course, with a direct access system there is no way to limit access to eligible users, but this is not seen as a serious potential problem. In the case of shared transmitters or repeaters, the telephone company costs will have to be shared on a non-profit basis and records kept of such costs.

And finally, a Final Order was released in the three dockets concerning allocation of the remaining spectrum between 806 and 960 mHz. If you look back at the June, '85 column you'll see that these dealt with the new land mobile band at 896/935 mHz, additional cellular frequencies at 845/890 and a Mobile Satellite Service at 821/866 mHz and 1.5 gHz. Well, briefly, the Cellular service will settle for 5 mHz paired (10 mHz), instead of the 12 mHz proposed, the Mobile Satellite Service gets zip at 800 mHz, with their share going to additional conventional FM channels for Public Safety users. And the new 900 mHz land mobile band will be available for the Industrial Radio services, using narrowband technology. Two other slivers of spectrum were set aside for future services. I'll cover all this in detail next month.

FEDERAL GOV'T
and
MILITARY

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to:

Dennis Biagioli, 607 W. Pleasant Ave. Villa Park, IL 60181

Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Greetings from beautiful downtown suburban Chicago. I have to say that to convince myself this climate is really fit for humans going into another winter. But, with the radio sitting on the desk next to something warm (or warming), we'll get to business.

A dip into the old mailbag and what have we here? Why, it's a report note from...

FRED RICHTER (NM-005) who "discovered that Devil's Postpile National Monument (which is under the supervision of the Superintendent of Sequoia-Kings National Parks) uses a Sequoia-King backcountry frequency (171.750). Distance and topography no doubt prevent their talking with Sequoia-Kings through the park's backcountry repeaters. This appears to be simplex linking the ranger stations and hand-helds in this small (approximately 600 acres) monument."

JAMES OTIS (NY-152) visited the Army's Fort Drum, New York, during open house.

Wheeler-Sack Army Air Field
F-1) 38.30 Operations
F-2) 38.85 Crash Crew

Military Police
F-1) 139.050
F-2) 141.100

10th Mountaineer Division
47.60 Military Police
75.95 (seen, but not heard)

Fort Drum -- postwide usages
49.50 Ambulances
46.04 Ambulances to civilian hospital

38.10 Range Safety
38.50 Range Safety
38.91 Post Fire Dept.
41.10 Medivac
142.450 Post Engineers

Flight Information Publications indicate the following for Wheeler-Sack AAF (ed.).

49.90 Tower
241.00 Tower
229.80 Clearance Delivery

JOE LEWIS (MD-015) reports the following from the Office of Information, Allegheny National Forest.

170.525 Wheeler Repeater
170.550 Highlands Repeater
170.575 Jakes Rocks Repeater
171.525 Ground Repeater

Ranger Districts:
1) Ridgeway (Elk County)
2) Marienville (Forest County)
3) Bradford (McKean County)
4) Sheffield (Warren County)

KEN PEHL (TX-003) reports that the National Park Service at the LBJ National Historic Site (Stonewall, TX) has a link between Johnson City and Stonewall, probably on 411.625. Has anyone confirmed that one?

KURT SWANEY, and many others among us, saw the interesting PBS "NOVA" presentation about severe weather and tornadoes. The program showed "Tornado Chasers" from NOAA/NWS using what appeared to be VHF-high band radios. The system appears to be simplex. Does anyone have any information dealing with these?

GEORGE DuBOIS (OR-001) reports that Ft. Vancouver Historical Monument has switched to 408.5750. Also that 171.9750 is either an army civilian maintenance channel or the Veterans' Administration cemeteries in Vancouver. Can anyone verify that one?

WILLIAM WEDERTZ (IL-007) offers the following frequencies contained in the radios of the UH-1 helicopters of the

Iowa Army National Guard -- Davenport, IA

241.0 Army Tower	351.8 Chi. ARTCC
257.8 Moline App/Dep	252.9 Des Moines A/D (N-E)
348.6 FAA Ground	360.7 Des Moines A/D (S-W)
255.4 Flight Svc.	321.1 Des Moines Clnc Del
243.0 FAA Emergency	319.8 Chi. ARTCC
351.7 Chi. ARTCC	283.0 Des Moines ATIS
247.2 Cedar Rapids A/D	288.1 Minneapolis ARTCC
261.5 Chi. ARTCC	363.0 Minneapolis ARTCC
381.2 Waterloo App.	284.7 Minneapolis ARTCC
226.4 DuBuque Tower	307.3 Minneapolis ARTCC

Bill also reports that Rock Island (IL) District of Army Engineers have a satellite system to receive information collected by the GOES (East) satellite. There are one hundred and ten data collection platforms throughout five states monitoring the levels of reservoirs and rivers. This District also serves as a backup for the St. Louis District. The uplink is in the four hundred one megahertz range, but not definitely identified yet. This data is used to forecast flood and other water levels. There are future plans to also monitor water quality from these stations. Both GOES East and West satellites collect data for the Engineers in this manner.

QUESTIONS??? The following have been heard and an identification is being sought -- can you help? Who? What? Where? If so, please send information to the editor at the above address and it will be forwarded to the inquiring members.

32.25 Kilo-Bravo Range Control	38.90 Ft. Beck (?) Range Control
32.80 ??	41.00 Ft. Beck (?) Range Control
34.50 "blue" units	41.15 ??
38.60 "blackburn"??	41.55 ???
38.85 D.O.D. Emergency Net	

AERONAUTICAL CHARTS - AND RELATED PUBLICATIONS

From time to time I am asked where the official materials showing UHF-aero frequencies can be purchased. Request a catalog of the above title from:

U.S. Dept. of Commerce
Nat'l Oceanic & Atmospheric Admin.
National Ocean Service (N/CG33)
Riverdale, MD 20737

PUBLICATIONS RECEIVED

MILITARY RADIO SYSTEMS - CALIFORNIA 1986. This Summer Supplement to "Government Radio Systems" is described by the author, RCMA member Bob Kelty, as "a working notebook". This eighty page publication covers what the title implies and the format makes finding specific listing easy. This is not just a list of the frequencies "licensed" to each base, but is annotated with use and callsign. The author is extremely knowledgeable and this is reflected in the set-up. If military monitoring in California is your interest, I don't see how you could do without this one. I feel it well worth the eight dollars. It is available Mobile Radio Resources, 2661 Carol Drive, San Jose, CA 95125.

MIDWEST FEDERAL FREQUENCY DIRECTORY by Scan America. A listing of frequencies in Illinois, Indiana, Kentucky, Michigan, Ohio, Pennsylvania and West Virginia. These are sorted three ways, frequency order, callsign, and agency -- it appears as a listing extracted from government records. There are some usage annotations. If you reside in any of the listed states and do not already have the listings, it is an excellent starting point for the novice Federal enthusiast. As many frequencies have changed since the last "unclassified" frequency lists were released by IRAC, you can expect some unintentional errors and omissions. This 5-1/2 by 8-1/2 sized book contains seventy-nine pages. Availability is from Scan America, 430 Garner Drive, Suffield, OH 44260.

Let's close this month with the results of the request for information.

VETERANS' ADMINISTRATION

** CALIFORNIA **

Palo Alto
164.5000 Security & Steam Plant
141.000 Sixth U.S. Army Net
168.5250 Two-tone sequential paging

Menlo Park, Mental Health
164.5000 Security

** CONNECTICUT **

Newington, KLM435
166.2250 Paging
168.5250 Paging

West Haven, KLB819
164.7000 Paging
169.1250 Security

** FLORIDA **

Tampa
164.2000 Security & Maintenance

Bay Pines
163.3750 Police (10 units) & Maintenance (Zebra units)
164.1750 Paging

** GEORGIA **

Atlanta
166.2000 Security Repeater, KLM527 (167.1125 input)

** ILLINOIS **

Chicago
164.1750 Paging (KLB813)
164.7000 Security repeater (KLB812)
168.0000
409.3000 Paging

Downey
166.2000 Repeater

Hines
169.2000 Security
408.4250 Paging

** IOWA **

Des Moines
163.0000 General use

Iowa City
168.5250 Paging

Knoxville
162.2250 Paging
168.0000 Security & other departments

** MASSACHUSETTS **

Beford
162.2250 Security, KID228
168.5375 Paging, KID228

Boston, KJN939
164.5000 Paging
170.1750 Paging

Brockton, KLM510
164.2000 Paging
169.6000 Paging

Northampton
167.8500 Security

West Roxbury
164.1750 Paging, KGP828

** NEW HAMPSHIRE **

Manchester
162.2750 Security, KGP332
166.2000

** NEW YORK **

Albany
164.1750 Paging
169.6000 Police
173.6125 Paging
173.6375 Paging

Batavia, KLM519
408.4250 Paging

Buffalo
164.1750 Paging
166.6750 Paging
168.0000 Security (KF0335)

Canandaigua
163.3750 Paging (KLM470)
169.0000 Security

** RHODE ISLAND **

Providence, KJN936
164.2000 Paging
171.3875 Security

** TEXAS **

Kerrville
168.0000 Possibly outdated

Audie Murphy Hospital, San Antonio
163.3750 Paging
168.0000 Police, Primary
168.5250 Police secondary,
Fire primary, civil eng.

Sam Rayburn Memorial, Bonham
163.3750 Paging
168.0000 VA Police

** WISCONSIN **

Milwaukee
164.1750 Paging
168.5250 Bldgs. & Grounds
414.3250 Police repeater
(409.325 in)

CONTRIBUTORS

Jim Abdu (GA-058)
Michael Bennett (TX-081)
Dave Curvin (TX-041)
Tom Heiderer (WI-006)
Mark Landgraf (NY-336)
Joe Lewis (MD-015)
Ken Pehl (TX-003)
Ed Soomre (MA-017)
Editor (IL-026)

Our thanks to all the contributors who made this month possible. How about you making a later month more interesting?

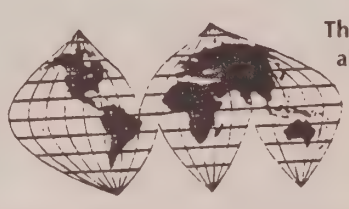
CALL FOR MOST-LISTENED-TO FREQUENCIES

How about everyone sending their most listened to (non "sensitive") Federal government or military frequencies (or frequency) and we can compile quite a list. Hopefully it will be so long that it will take several months to print it all! Come on, nearly everybody has something in this category they hear. Put it in an envelope and send it along. Even if there is only one in your area that provides you enough action that you listen to it, then take part. Everybody has something they are THE authority on -- so how about sharing? Let's try to get these in by January 31, 1987 -- okay? Come on, please? This means you -- please consider this a personal invitation! Not a long list of everything in your area, just the ones you find interesting enough to monitor regularly!

On that cheerful request, we must call it a month. Have a Happy Thanksgiving, and don't forget to send in those "favorites"! A good November to you all...

73-
Denny

INTERNATIONAL



This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to:

Rickey Stein, 456 Barrymore Place, North Brunswick, NJ 08902

As we move into 1987, I'd like to step back for a moment and look back at 1986 and ahead to 1987, kind of a 'State of the Column' report so that you, the membership, will know what's happening here. I have been fortunate during the past 12 months to have enough information to offer you 11 columns. I apologize for missing one issue, but I will attempt to make that up to you during the coming year. I have attempted to produce at least two sides (one full sheet) for each issue. I have been able to increase that a bit for the past several issues and it seems that HQ approves. So as long as I have the information to present, I will continue with a column that is at least three sides in length-a bit more for a couple of issues to make up for the lost issue in 1986 and the two that were missing in 1985. Next month, I will also have a review of the information from 1986 by issue and by country. Lest some dismay, this will be in addition to and not in place of the regular column information. This way no one will feel cheated.

Still looking ahead to 1987, a great number of changes have been occuring in the United Kingdom's radio systems. There have been major frequency shifts and just recently, Band-III (176.25-214.55 MHz) has been released for public service and general mobile radio use. The U.K. is the first country in Europe to have this band opened and it promises to bring a flurry of new stations and activity. With help of some very active UK RCMA members and a couple of American members who did some travelling and monitoring there, we are compiling a scanning guide and frequency list to the U.K. More about this later.

As I mentioned in an earlier column, I have been actively persuing any foreign monitor who writes RCMA. The results have been very, very good. The Belgium monitor who sent me the book of Dutch frequencies and an English DX-er who has provided much detailed information about London's radio systems are two

examples. I have also learned about the existence of an Australian microfiche list and am awaiting replies from monitors in Japan, France, Iran, Italy and Israel!

I have been told, and I don't know if this is all true, that because the Newsletter is a copywrited product, it can be found in the Library of Congress and in various US Agencies around the world. I know from my mail that we are being read by more than just our membership. Every couple of years I receive an anonymous letter from Finland (a non-member who travels to some European country and finds the Newsletter there). Just this week I received a letter from a small group of 'radio fanatics', as they call themselves, in Oxford, England. They have offered to share their monitoring information with us and so our U.K. list should swell even more. This is certainly a tribute to RCMA.

I know that, from time to time, an editor will 'burn out' for any number of reasons. Personally I don't even feel singed. Maybe because I still get excited by a new publication or a new frequency or maybe it's because I've had the opportunity to met so many super people in this hobby. Had just such an opportunity this past Friday after work. David (NI-001) was making a trip thru to visit family. Dana and I met him at JFK after fighting the evening traffic and some rain. He was pooped from the long flight and we were beat after working all day and making the drive, and we were all hungry and looking about for some hot food. Can you believe that at 9pm all the restaurants were closed and we had to settle for cold salads? (NYC may not sleep but the airport services sure do. I feel sorry for a hungry traveller coming into that Pan-Am building at 4 a.m. and trying to get something to eat!) Anyway we had a great 90 minutes to share and to exchange books, etc. Any of you who have had this type of experience know how good it is. It's things like this that keep me going. It's things like this that RCMA is about. Just wanted to add a thank you to RCMA, you the membership and the Board for giving me this continuing opportunity to serve as International Editor.

One of the books that David gave me was one of a couple of new publications devoted to scanning now available in the UK. This 60 page, full size book is called the 'Complete VHF/UHF Frequency Guide' by Bill Laver, published by Waters and Stanton. There is an introductory section on scanning, scanners and antennas, a bit about the law and some thoughts on the future of scanning. Beyond that I found it rather disappointing and very sketchy except for rather complete lists of UK Ham repeaters, radio beacons and aeronautical (RAF and commercial) and naval frequencies. Most of this information is really quite readily available from other sources (the RAF freqs are published in the RAF FLIP En Route Supplement for the British Isles and North Atlantic-another publication that David was kind enough to secure for me). The only plus is that they are all here together in one book. There are very few actual listings for public service or business users. The book is a complete frequency guide in that it starts at 26.175Mhz and goes to 2290.000MHz and gives allocations. Here we have an example where our data base of UK frequencies far outshines those listed in this publication. We have much more detail on both frequencies and systems- and we are far from complete. Without belaboring the point, I will again remind the membership that we are a group of 2000+ monitors. If everyone would send in just one piece of information to the editor of their choice, can you imagine the result? What potential! By the way, I hope to give you some of this UK data during the coming year.

Let's continue with the Republic of Ireland (Eire):

UHF FREQUENCIES AND CORRESPONDING VHF FREQUENCIES

450.0750	163.3375	158.8375	464.0750
450.1000	163.3875	158.8875	464.1000
450.2000	163.4500	158.9500	464.2000

450.2750	164.8375	160.3375	464.2750
450.4000	163.2875	158.7875	464.4000
450.4250	163.3750	158.8750	464.4250
450.4500	163.4250	158.9250	464.4500
450.5250	163.3250	158.8250	464.5250
450.7750	163.8250	159.3250	464.7750
450.8000	163.4000	158.9000	464.8000
452.8250	153.0125		
452.9000	153.2750		
452.9250	153.2000		
452.9500	153.1750		
452.9750	153.2250		
453.6250	163.3500	158.8500	460.1250
453.8500	166.6000	171.4000	460.3500
454.0000	163.8375	159.3375	468.0000
454.0250	163.1875	158.6875	468.0250
454.0750	163.8625	159.3625	468.0750
454.1875	165.9000	170.7000	468.1875
454.2375	163.4125	158.9125	468.2375
454.2500	166.6000	171.4000	468.2500
454.4750	166.5000	171.3000	468.4750
454.6000	87.4000		468.6000
454.7250	166.1500	170.9500	468.7250
455.8500	153.0750		
455.9000	153.0750		
455.9500	164.9500		
456.6125	166.3750	171.1750	462.1125
456.7500	83.7000	73.4750	462.2500
460.1750	153.6250		
460.5000	164.9750	169.7750	467.0000
460.5500	166.6000	171.4000	467.0500
460.7000	80.0500		
460.7500	166.6000	171.4000	467.2500
460.8000	85.9500	76.3500	467.3000
460.8500	86.6500	77.0500	467.3500
460.9000	86.5000	76.9000	467.4000
461.0000	163.3000	158.8000	467.5250
461.3625	153.1500		
461.3625	164.4750	159.9750	467.8625

VHF FREQUENCIES AND CORRESPONDING UHF FREQUENCIES

80.0500	460.7000		
83.7000	456.7500	462.2500	73.4750
85.9500	460.8000	467.3000	76.3500
86.5000	460.9000	467.4000	76.9000
86.6500	460.8500	467.3500	77.0500
87.4000	454.6000	468.6000	
153.0125	452.8250		
153.0750	455.8500		
153.0750	455.9000		
153.1500	461.3625		
153.1750	452.9500		
153.2000	452.9250		
153.2250	452.9750		
153.2750	452.9000		
153.6250	460.1750		

163.1875	454.0250	468.0250	158.6875
163.2875	450.4000	464.4000	158.7875
163.3000	461.0000	467.5250	158.8000
163.3250	450.5250	464.5250	158.8250
163.3375	450.0750	464.0750	158.8375
163.3500	453.6250	460.1250	158.8500
163.3750	450.4250	464.4250	158.8750
163.3875	450.1000	464.1000	158.8875
163.4000	450.8000	464.8000	158.9000
163.4125	454.2375	468.2375	158.9125
163.4250	450.4500	464.4500	158.9250
163.4500	450.2000	464.2000	158.9500
163.8250	450.7750	464.7750	159.3250
163.8375	454.0000	468.0000	159.3375
163.8625	454.0750	468.0750	159.3625
164.4750	461.3625	467.8325	159.9750
164.8375	450.2750	464.2750	160.3375
164.9500	455.9500		
164.9750	460.5000	467.2000	160.7750
165.9000	464.1875	468.1875	170.7000
166.1500	454.7250	468.7250	170.9500
166.3750	456.6125	462.1125	171.1750
166.5000	454.4750	468.4750	174.3000
166.6000	453.8500	468.3500	171.4000
166.6000	454.2500	468.2500	171.4000
166.6000	460.5500	467.0500	171.4000
166.6000	460.7500	467.2500	171.4000

NOTES ON THE BAND PLAN:

Frequencies between 30-50MHz are not allocated in Ireland, but a number of illegal 'cordless phones' may be heard between 49-50 MHz. These will be listed later on where known.

The frequencies 74.8-75.2 and 149.9-150.05MHz are allocated to air navagation aids, the former being a guard band for navaids operating on 75MHz.

All frequencies operating between 118-136MHz (Air Band) used by aircraft operating to or from Irish air space are listed in the Air.Sort List. In the range 156.025-157.425(Marine Band) all Irish stations are lsted with British station which may work ships in the Irish Sea.

All frequencies in the forthcoming lists have not been checked. This is especially true in the case of the mobile frequencies. These mobile frequencies, in many cases, have been deduced from what is believed to be the band plan.

Im the case of stations opeating between 68-88MHz (Low Band), the mobiles appear to occupy the range 72-78MHz with the corresponding bases between 82-8MHz. In the case of stations between 156-174MHz (High Band), base stations are between 162.0 and 169.9MHz and mobiles between 157-160 and 170-174MHz. In the range 460-470MHz (UHF Band), base stations are generally in the 450-461MHz range with the corresponding mobile channels in the 461-468MHz range.

It is necessary to point out that the above paragraphs, together with the details of the band plan, are unofficial and have been discovered by experimentation, and so they are liable to error.

In the Low and High Band VHF, channels are allocated at 12.5kHz spacing. Observed frequencies will therefore normally end in the three digits shown below. If other digits are observed, this is usually (but not always) due to off frequency operation.

000 125 250 375 500 625 750 875

In the UHF range, channel separation is 25kHz or 50kHz.

Due to the limited number of channels available, most channels are allocated on a shared basis. A number of channels appear to be allocated to users who operatea 'common carrier' service. On these channels, a number of different subscribers call their associated units by SELCAL. These will be indicated by 'CC'.

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The Republic of Ireland listings will be continued next month.

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I have just received another letter from our correspondent in Belgium. He has heard from his monitor friend and has forwarded almost 6 handwritten pages of German frequencies. There isn't room to start them here, but they will be printed in a future column. I also have some additions to both the Netherland's and Belgian lists previously presented.

****

I have tried something different this month as I'm sure you've noticed. Instead of the usual IBM typewriter element, I am using my computer and LQ-800 printer. I would like to know if this is still as easy to read as the larger IBM type. I would like to design a font similar to the IBM element for the LQ but looking at the directions in the manual, I realize that it will take some time, and I don't have that now. Perhaps someone will design the font in the near future and I can load it into the printer. Until next month,

שלום.....ירק

MONITORING & THE LAW

Send all articles on, references to, and copies of monitoring laws, as well as questions concerning the legal aspects of monitor radio listening to:

COLUMN EDITOR WANTED

MARKETPLACE

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to:
RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550

Please be sure to include your membership number.

All Marketplace ads will be accepted ONLY on special forms available from this column's editor. Send a self-addressed STAMPED envelope (business size) to the address above to receive a supply of forms. Foreign members do not need to include postage on envelopes they send.

Members wishing to contact me by way of electronic mail may do so via the following services:

COMPUSERVE..76566,1542	THE SOURCE.....BDW292
DELPHI:.....GMDARCY	PEOPLE LINK.....INF568
MCI MAIL.....286-1087	
TELEX.....6502861087	

NO COLUMN THIS MONTH

NEWS MEDIA COMMUNICATIONS

This column is for reporting frequency and radio systems information of news media. Send related reports and questions on newspaper, radio, television, magazine, film production companies, etc. to:

Allen G. Henney, MD-069, 6912 Prince Georges Ave, Takoma Park, MD 20912

THIS MONTH WE HAVE 2 COMBINED LISTS FOR CENTRAL & WESTERN FLORIDA FROM CARL GEROSA III & JOE M LEWIS. JOE ALSO SENT US INFORMATION ON THE HELICOPTER THAT WXFL TV8 IN TAMPA OPERATES. THE HELICOPTER IS CALLED THE EAGLE 8, ITS TAIL NUMBER IS N9005Y. DENNIS ROPER REPORTS FROM THE ASTAR 350D MODEL HELICOPTER THAT WEIGHS 2,427 POUNDS & CAN SEAT AS MANY AS 6 COMFORTABLY. MAXIMUM CRUISE SPEED IS 144 MPH WITH TOP SPEED OF 169 MPH WITH A SERVICE CEILING OF 13,451 FEET. YOU CAN LISTEN TO THE EAGLE 8 ON WXFL'S MAIN DISPATCH FREQUENCY OF 450.45 (KEH259). PLEASE NOTE, ON THE BELOW COMBINED LIST THAT THOSE FREQUENCIES SENT IN BY JOE ONLY APPEAR WITH AN '*', THOSE SENT IN BY BOTH JOE & CARL APPEAR WITH A 'b'. ALL OTHER FREQUENCIES COME FROM CARL'S LIST.

BLAIR B/C WOJC TAMPA 450.35 (KHE7)
BRADENTON HERALD NEWSPAPER 173.325 & 173.375 (KGK257)
BUCCANEER B/C PINELLAS PARK WHBO (AM1050) 161.67 & 161.73 KP5523
CLEARWATER SUN NEWSPAPER 173.225 (KTY893) b
COSMOS B/C BRADENTON 450.7 (KFQ951)
FLORIDA RADIO INC ST PETERSBURG - TAMPA WRBQ (FM104.7) 'Q-105'
TRAFFIC REPORTS; 161.64 (VAN) - 450.2875 (PLANE) (WSM725) b
450.2125 (VAN ALSO) - 170.15 (WYR242) (USE UNKNOWN)
GAYLORD B/C TAMPA WTVT (TV13) CBS (153.29 USE UNKNOWN)
CH.1 MAIN DISPATCH 450.35 (KFX827) - CH.2 CUES, ENG 450.15 b
GROUP W CABLE TAMPA - ST PETERSBURG 463.3 (WWX55)
HUBBARD B/C TAMPA - ST PETERSBURG WTOG (TV44) IND (KPE665)
CH.1 DISP/CREWS 450.0875 b - CH.2 PM MAGAZINE/PROD 450.5125
LINDSAY NEWSPAPERS (OPERATED BY THE NEW YORK TIMES)
BRADENTON (KGW571) & VENICE (WZU847) ON 173.275
BRADENTON (WFT271) & EAGLEWOOD (WFN241) ON 453.0
VENICE (WFN242) & SARASOTA TIMES HERALD (WYX337) ON 453.0 b
ORLANDO SENTINEL STAR 453.0 (WYH409) & 173.375 (KIM936) *
PINELLAS RADIO PINELLAS PARK WFSO 450.15 (KM9182)
PLOUGH B/C CLEARWATER - ST PETERSBURG WSUN (AM620) / WZNE 'Z-98'
(POSSIBLE A/C 450.3875 KIR997 & KQB675) 450.55, 450/455.925
R & J B/C SARASOTA 161.73 (KQ5077)
RADIO CLEARWATER 450.65 (KJ4959 & KN4696)
RICHEY AIRWAVES NEW PORT RICHEY WGUL (AM1500)
161.73 (KFD700) & 170.15 (KFD700)
ROUNSAVILLE OF TAMPA WDAE (AM1250) 161.64 (KYY270) & 161.7
ST PETERSBURG TIMES CLEARWATER - ST PETERSBURG
452.975 PAGERS & 2 WAY (KIJ336) b (UNKNOWN 173.375 & 453.0)
SARASOTA/BRADENTON TV CO WXLT (TV40) ABC 161.64,.67,.7 (KKN745)
SARASOTA/CHARLOTTE B/C ENGLEWOOD WENG (AM1530) & WKXY (AM930)
161.73 (KZH829) & 170.15 (KIP695)
SARASOTA TIMES HERALD - SEE LINDSAY NEWSPAPERS
SUNCOAST STEREO TAMPA - ST PETERSBURG WQYK (FM99.5)
TRAFFIC BOAT 450.2125 b, (UNKNOWN 450.01 WSM738 & 450.85)
SUNSHINE STATE B/C BRADENTON WBRD (AM1420) & WDUV (FM103.3)
161.64, 161.7 (BOTH KKN746) & PALMETTO 455.98 (WHE970)
TAFT B/C TAMPA WYNF (FM94.9) 161.64, 161.7 (KLG380) & 450.925
TAMPA TRIBUNE 173.375 (KLN667) b
TRAFFIC WATCH INC ST PETERSBURG (450.5875 PRIMARY REMOTES *)
ALSO 450/455.4875 & 455.5875 (ALL KPE740)
VENICE/NOKOMIC B/C WRAV 161.64, .67,.7,.73,.76 (KMF711 & KOS398)
WALTER WEEKS B/C SARASOTA WSPB (AM1450) 161.67 (KES890)
WBRD - SEE SUNSHINE STATE B/C
WCPX ORLANDO (TV6) 450.2125 & 450.5125 *
WDAE - SEE ROUNSAVILLE OF TAMPA
WDUV - SEE SUNSHINE STATE B/C
WENG - SEE SARASOTA/CHARLOTTE B/C
WFLA TAMPA - ST PETERSBURG WXFL (TV8) & WFLA (AM970/FM93.3)
450.45 HELICOPTER 'EAGLE 8' & MAIN DISPATCH (KEH259) b

450.7 (KDY764) WFLA AM b (OTHERS INCLUDE; 153.11, 161.76, 450/455.1875 (KPE540), 455.05, 455.25, 455.55 (KEH259)
WFTV ORLANDO (TV9) 450.4875 & 450.65 *
WGUL - SEE RICHEY AIRWAVES
WHBO - SEE BUCCANEER B/C
WINK FT MYERS (TV11) 450.0875 *
WKXY - SEE SARASOTA/CHARLOTTE B/C
WKY TV SYSTEM TAMPA 450/455.35 (KFX827 & KIL539)
WLCY ST PETERSBURG 170.15 (KED513)
WMGG TAMPA 450.5875
WOJC - SEE BLAIR B/C
WQYK - SEE SUNCOAST STEREO
WRAV - SEE VENICE/NOKOMIC B/C
WRBQ - SEE FLORIDA RADIO
WSPB - SEE WALTER WEEKS B/C
WSUN - SEE PLOUGH B/C
WTOG - SEE HUBBARD B/C
WTRL B/C BRADENTON (AM1490) 166.25 (KIS508)
WTSP TAMPA - ST PETERSBURG (TV10) ABC
CH.1 DISP/CREWS 450.1125 b - CH.2 450.3125 (BOTH WQB256)
OTHER FREQS; 161.67, 161.73 (KEO513), 450.4125, 450.6125
WTVT - SEE GAYLORD B/C
WXFL - SEE WFLA
WXLT - SEE SARASOTA/BRADENTON TV CO
WYNF - SEE TAFT B/C
WZNE - SEE PLOUGH B/C

WELL THAT IS ABOUT IT FOR FLORIDA THIS MONTH. LAWRENCE H. REED TELLS US THAT WBAB'S TRAFFIC REPORTER IN BABYLON, NY USES 161.73, NOT THE 161.72 'SPLIT' FREQUENCY WHICH APPEARED IN LAST MONTHS COLUMN. NEXT MONTH I HOPE TO HAVE AN INDEX OF THIS YEARS NEWS MEDIA COLUMNS, AS WELL AS THE FIRST OF MANY FREQUENCY LISTS WHICH WE HAVE FOR CALIFORNIA.

IN THE 'TECHNICAL Q&A' COLUMN OF THE APRIL 1986 TELECARRIER MAGAZINE THEIR WAS A QUESTION ASKED BY A CELLULAR COMPANY (NOT NAMED) ON HOW THEY COULD PREVENT CO-CHANNEL INTERFERENCE FROM DISTANT CELLS WHILE USING THEIR CELLULAR EQUIPMENT IN A LOCAL RADIO STATION'S HELICOPTER WHICH THEY WERE USING FOR ON-THE-AIR LIVE TRAFFIC REPORTING. THE ANSWER TO THE QUESTION WAS THAT THEY SHOULD STOP USING THE CELLULAR MOBILE UNIT IN THE AIRCRAFT BECAUSE UNDER FCC RULES A CELLULAR MOBILE STATION IS NOT TO BE OPERATED ABOARD AN AIRCRAFT. I WAS RELIEVED TOO SEE THIS, BECAUSE OF THE ALREADY INCREASING USE OF CELLULAR BY THE MEDIA ITS NICE TO KNOW THAT AT LEAST THE TRAFFIC AIRCRAFT WILL STILL BE AROUND FOR AWHILE.

GOOD NEWS & GOOD SCANNERING...

photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest. Photographs must be 3 X 5 inches or larger, black-and-white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to:

Hugh Stegman, 4354 Coolidge Avenue, Los Angeles, CA 90066

PLEASE NOTE ADDRESS CHANGE!

MORE FLORIDA AIR RESCUE

Elsewhere in this issue, the PS/SE column should have a good contribution from Randy Kerr (FL-019) concerning the ShandsCAIR air ambulance. Randy also passed along these pictures of the Bell helicopter in action.

In photo #1, the ship departs its helipad in a medical complex. In #2, it lands at the University of Florida medical school. And in #3, it is given a good looking over by some visitors.

Hope you saw the stuff in the September PS/SE column. This was pretty good journalism. If anyone else has photos to go with a contribution, send 'em here and I'll probably get them in the same month.

Thanks go to Randy, and Jorge Rodriguez, PS/SE editor.

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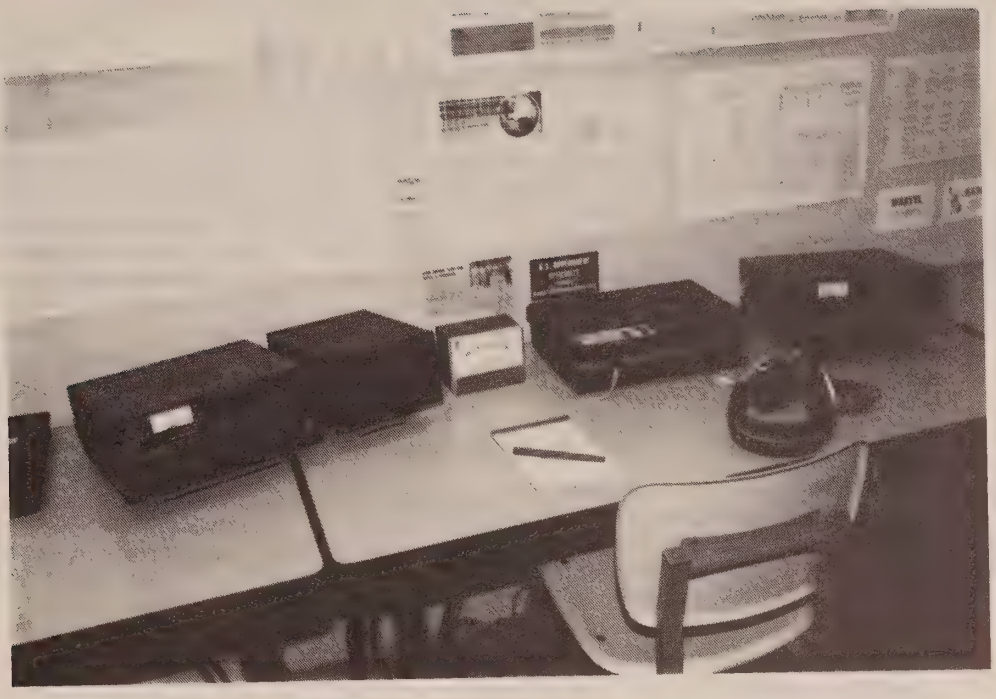
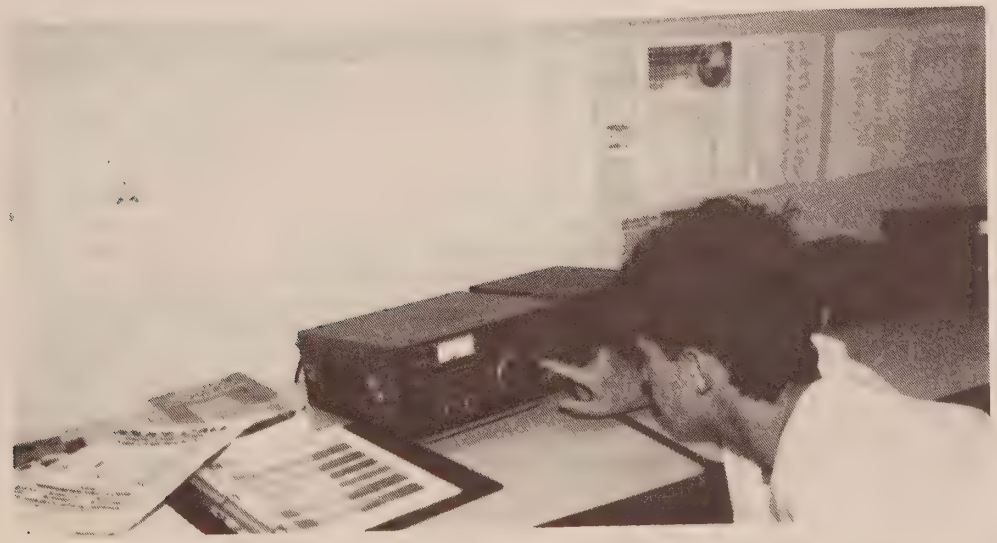




PUBLIC SAFETY

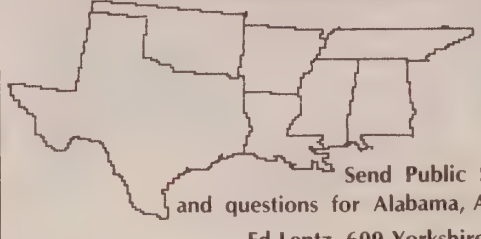
This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for poilice, sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

Associated Public-Safety Communications Officers, Inc.

OFFICIAL TEN SIGNAL LIST

APCO states the numbering, sequence, words or word phrasing of the below listed signals may no be altered, nor may the reserved signals be otherwise implemented except by APCO. Any user may employ signal numbers upward, beginning with 10-40, as needed for local dispatching. RCMA publishes this listing in support of APCO and their uniform dispatch code efforts. We will print other dispatch codes, different from the OFFICIAL APCO listing, only to assist our membership in their continued monitoring hobby. It is hoped you find this listing useful.

10-1	Signal weak	10-19	(In) contact
10-2	Signal good	10-20	Location
10-3	Stop transmitting	10-21	Call ( ) by phone
10-4	Affirmative (OK)	10-22	Disregard
10-5	Relay (to)	10-23	Arrived at scene
10-6	Busy	10-24	Assignment completed
10-7	Out of service	10-25	Report to (Meet)
10-8	In service	10-26	Estimated time of arrival
10-9	Say again	10-27	License/Permit Information
10-10	Negative	10-28	Ownership Information
10-11	( ) on duty	10-29	Records check
10-12	Stand by (stop)	10-30	Danger/Caution
10-13	Existing conditions	10-31	Pick up
10-14	Message/Information	10-32	( ) units needed (Specify)
10-15	Message delivered	10-33	Help me quick
10-16	Reply to message	10-34	Time
10-17	Enroute	10-35 through 10-39 are reserved for future assignment by APCO. User option 10-40 upward.	
10-18	Urgent		



PUBLIC SAFETY - SOUTH CENTRAL

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Alabama, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, and Texas to

Ed Lentz, 609 Yorkshire, Pasadena, TX 77503-1450

GEnie - ELENTZ DELPHI - THISARSE COMPUSERVE - 72645,172

Welcome to the Public Safety - South Central. I have been informed that I missed the September issue of the newsletter. My apologies to everyone. Somehow with vacation and all the confusion that goes with a long trip I somehow let the calendar slip by. Will try and not let that happen again.

The post office has been good to me by letting me receive quite a bit of mail lately. The trouble is, about half of it is request. I don't mind doing what I can to fill your request for information. In fact, that at least let's me know that someone is out there. If you don't have an extra business size envelope to enclose just drop an extra stamp in with your request. Give me a few weeks and I'll give you what I have. Of course, if I don't have the information, I'll at least send you a reply stating that I am unable to furnish the information because I don't have anything. While you are writing out your request why don't you let me know what you have from your area. If you want some frequency information you must have a scanner. What

are the frequencies in it and what are they for? If you don't want your name in the newsletter that's fine. Just tell me.

Received a package in the mail the other day from Ken Winters of Basic Computer Services in Arlington Texas. Enclosed was a very good database listing of frequencies in the Dallas/Ft Worth area. He has included most anything that can be received on a receiver from the aviation beacons to the satelite receivers. The book is approximately 60 pages in length with one list sorted by frequency and the other alphabetically. If you live or plan to visit the area it would be a good book to have for reference. Another book that is somewhat dated but still full of good information is the Fox Scanner listings by Norm Schrein. The Fox book has some of the codes and signals used by the Public Services in that area. The address for each company is listed below.

D/FW FREQUENCY LIST
NEW FOURTH EDITION
Basic Computer Services
PO Box 14193
Arlington, Texas 76013

FOX SCANNER RADIO LISTINGS

Fox Marketing, Inc.
4518 Taylorsville Road
Dayton, Ohio 45424-2497
1-800-543-7892

Now I will brag on a product that I bought with my own dollars. I am sure most of you are familuar with the Yaesu FRG-9600 scanner and also the drawbacks. Now you can get around most of them by the use of an Apple or Commodore computer. Applied Solutions and Yaesu have teamed up and have a product called "CATPACK9600". With this program and the interface included with it you are able to control the scanner with a computer. Search with memory and at a faster rate than the old Bearcat 250. Control the scan rate, delay, and timeout and scan as many channels as you want. I'm having a ball with it. For once I am able to build a scanner to make it do what I want it to instead of doing what the designers intended for me to do with it. Check with your local Yaesu dealer and be prepared to part with $89.95.

Enough of the commercials and on with the goodies.

Received a very long list from Arnaud Milner (LA-045 0287) who request that anyone get in touch with him to exchange more information. His address is as follows:

Arnaud Milner
3708 N. Turnbull Dr.
Metairie, Louisiana 70002

ALABAMA

(from Arnaud LA 045 0287)

State PD Net	Statewide	155.010	
Mobile Police	Mobile	453.050	
Mobile Police	Mobile	453.250	
Mobile Police	Mobile	453.450	
Mobile Police	Mobile	453.100	Command Units

LOUISIANA

(from Arnaud LA 045 0287)

AMBULANCE/HOSPITAL		
Acadian Ambulance		155.290
		155.295
		155.300
		463.025
		463.175
Car Ambulance Service		461.825
Charity Hospital/Ambulance		155.205
East Jefferson Ambulance	East Jefferson	155.390
East Jefferson Hospital	Jefferson	155.390
Kenner Anbulance	Acadian	155.175
Louisiana Civil Defense		45.600
Medic One Ambulance		155.240

Ochsner Hospital		155.340	
Red Line Ambulance		33.400	
Thibodaux General	Thibodaux	155.330	
LOCAL GOVERNMENT			
Grand Isle Local Govt	Grand Isle	158.880	
Jefferson Local Govt	Jefferson	154.980	
Lockport Local Govt	Lockport	39.100	
Mandeville Local Govt	Mandeville	39.180	
New Orleans Street Dept	New Orleans	155.760	
New Orleans Local Govt	New Orleans	155.280	
		155.820	
		155.700	
		155.895	
		155.900	
		155.955	
Waveland Local Govt	Waveland	155.880	
Westwego Local Govt	Westwego	154.115	
POLICE/SECURITY			
Alexandria Police	Alexandria	155.550	
Assumption Police	Assumption	158.790	
Amite Police	Amite	155.010	
Bay St Louis Police	Bay St Louis	45.300	
Bogalusa Police	Bogalusa	154.860	
Covington Police	Covington	151.280	F1
Covington Police	Covington	39.920	F2
Covington Police	Covington	154.175	F3
Covington Police	Covington	155.370	F4
Donaldsonville Police	Donaldsonville	154.740	
East Baton Rouge Pd	E. Baton Rouge	155.610	F1
East Baton Rouge PD	E. Baton Rouge	158.910	F2
East Baton Rouge Pd	E. Baton Rouge	155.580	F3
Gonzales Police	Gonzales	155.490	
Greenburg Police	Greenburg	155.010	F1
Greenburg Police	Greenburg	39.140	F2
Gretna Police	Gretna	453.350	
Gretna Police	Gretna	39.120	
Hammond PD	Hammond	155.580	
Hammond PD	Hammond	39.500	
Houma PD	Houma	39.780	
Houma PD	Houma	39.500	
Jackson Police	Jackson	155.475	F1
Jackson Police	Jackson	155.490	F2
Jackson Police	Jackson	155.670	F3
Jackson Police	Jackson	453.050	F4
Jackson Police	Jackson	460.050	F5
Jackson Police	Jackson	460.025	F6
Jackson Police	Jackson	460.400	F7
Jefferson Police	Jefferson	39.125	
Jefferson Police	Jefferson	453.250	F5
Jefferson Police F1	Jefferson	453.100	
Jefferson/Kenner PD	Jefferson/Kenner	453.625	
Jefferson Davis PD		154.950	
Jefferson Davis PD		155.250	
Jennings Police	Jennings	155.010	
Jennings Police	Jennings	155.490	
Kenner Police	Kenner	39.620	
Kenner Police	Kenner	45.320	
Kentwood PD	Kentwood	39.560	
Kentwood PD	Kentwood	39.500	
Lake Arthur PD	Lake Arthur	39.020	
Lake Arthur PD	Lake Arthur	39.500	
Lake Pontchartrain PD	Lake Pontchartrain	453.950	
Lockport Police	Lockport	39.440	
Lockport Police	Lockport	39.500	
LSU Med Center		453.225	Security
Mandeville Police	Mandeville	39.180	
Maringoin Police	Maringoin	39.600	
Markville Police	Markville	39.500	
New Iberia Police	New Iberia	155.970	
New Orleans International	Airport	453.550	

New Orleans Levee Police	New Orleans	155.085	F1
New Orleans Levee Police	New Orleans	155.980	F2
New Orleans Police	New Orleans	453.375	
New Orleans Police F1	New Orleans	460.025	KKZ626
New Orleans Sheriff	New Orleans	158.910	
New Roads Police	New Roads	39.500	F1
New Roads Police	New Roads	39.700	F2
New Roads Police	New Roads	159.225	F3
Pearl River Police	Pearl River	45.220	
Pearl River Police	Pearl River	45.380	
Pearl River Police	Pearl River	45.420	
Picayune Police	Picayune	155.130	
Picayune Police	Picayune	155.490	
Picayune Police	Picayune	155.730	
Ponchatoula Police	Ponchatoula	39.420	
Pontchartrain Levee Police		154.025	
Shreveport Police	Shreveport	155.970	F1
Shreveport Police	Shreveport	154.875	F2
Slidell Police	Slidell	39.340	
Slidell Police	Slidell	154.845	
Slidell Police	Slidell	155.970	
Slidell Police	Slidell	158.730	
Slidell Police	Slidell	159.210	
St Bernard Police	St Bernard	453.650	F2
St Bernard Police	St Bernard	453.900	F3
St Charles Police	St Charles	39.680	
St Charles Police	St Charles	39.500	
St Charles Police	St Charles	158.790	
St James Police	St James	453.250	
St James Police	St James	39.740	
St Tammany Police	St Tammany	39.720	
SuperDome Security F1	New Orleans	453.425	
SuperDome Security F2	New Orleans	453.775	
SuperDome Security	New Orleans	453.725	
SuperDome Security	New Orleans	453.525	
Tangipahoa Police	Tangipahoa	39.820	
Tangipahoa Police	Tangipahoa	154.830	
Terrebonne Police	Terrebonne	39.420	
Terrebonne Police	Terrebonne	39.380	
Thibodaux PD	Thibodaux	155.415	
Thibodaux PD	Thibodaux	39.500	
Walker Police	Walker	39.760	
Waveland Police	Waveland	45.180	
Waveland Police	Waveland	45.220	
Waveland Police	Waveland	45.300	
West Baton Rouge	W. Baton Rouge	39.540	
Westwego Police	Westwego	154.725	
Zachary Police	Zachary	39.540	

FIRE

Avondale Fire Dept	Avondale	33.760	
Baratavia Fire Dept	Baratavia	33.680	
Bridge City Fire Dept	Bridge City	153.890	
Covington Fire Dept	Covington	33.480	
Covington Fire Dept	Covington	154.190	
Covington Fire Dept	Covington	154.355	
David Crockett Fire Dept		154.280	
David Crockett Fire Dept		154.295	
Gould Fire Dept		33.820	
Hammond Fire Dept	Hammond	33.860	
Harahan Fire Dept	Harahan	33.700	
Harahan Fire Dept	Harahan	33.640	
Harvey Fire Dept	Harvey	33.960	
Jefferson Fire Dispatch	Jefferson	453.325	WSW771

Zone #1 - Jefferson Parish & Metairie
Zone #2 - Gretnas Westbank & Metairie
Zone #3 -
Zone #4 -
Zone #5 - Algiers Westbank
Zone #6 - Harvey Westbank
Zone #7 - Avondale Westbank
Zone #8 - Westwego Westbank
Zone #9 - Harahan Eastbank

Kenner Fire Dept	Kenner	33.440	
Kenner Fire Dept	Kenner	33.700	
Live Oak Fire Dept	Live Oak	33.920	

Livingston Fire Dept	Livingston	154.415	
Marerro Fire Dept	Marerro	33.600	
Metairie Fire Dept	Metairie	33.520	
New Orleans Fire Dept	New Orleans	460.575	Dispatch
New Orleans Fire Dept	New Orleans	460.600	F1 Odd Zones
New Orleans Fire Dept	New Orleans	460.625	F2 Even Zones
New Orleans Fire Dept	New Orleans	453.800	Backup/Page
St Charles Fire Dept	St Charles	154.130	Norco Area
St Charles Fire Dept	St Charles	154.220	Lulling Area
St Charles Fire Dept	St Charles	154.400	St. Rose & E. St Charles
St Bernard Fire Dept	St Bernard	154.385	Dispatch
Tangipahoa Fire Dept	Tangipahoa	33.860	Parishwide
TerryTown Fire Dept	Terrytown	154.145	
Terrytown Fire Dept	Terrytown	154.160	
Westwego Fire Dept	Westwego	33.880	

RACES NETS

Baker Civil Defense		147.030	
Chalmette/St.Bernard		145.350	
Franklin/St Mary Parish		147.120	
East Baton Rouge CD		146.940	
Louisiana/Mississippi		147.870	
Morgan City/St Mary		146.910	
Nachitoches CD		146.880	
New Iberia/Iberia Parish		146.970	
Shreveport CD		146.700	
West Monroe CD		146.850	

Statewide Mutual Aid		39.500	
Statewide PD Intersystem	Statewide	155.475	
Statewide PD Mutual Aid	Statewide	155.370	
Statewide Fire Mutual Aid	Statewide	154.280	
Wildlife and Fisheries	Statewide	31.060	
Louisiana State Patrol	Troop B	39.280	
Louisiana State Patrol	Troop B	39.300	
Louisiana State Patrol	Troop K	39.300	F1
Louisiana State Patrol	Troop K	39.320	F2
Louisiana State Patrol	Troop K	154.800	F3
Louisiana State Patrol	Troop K	154.950	F4
Louisiana State Patrol	Troop K	159.450	F5

TROOP LOCATIONS

Troop A - Baton Rouge	Troop G - Shreveport
Troop B - New Orleans	Troop H - Leesville
Troop C - Gray	Troop I - Lafayette
Troop D - Lake Charles	Troop J - Baton Rouge
Troop E - Alexandria	Troop K - Opelousas
Troop F - Monroe	Troop L - Covington

MISSISSIPPI

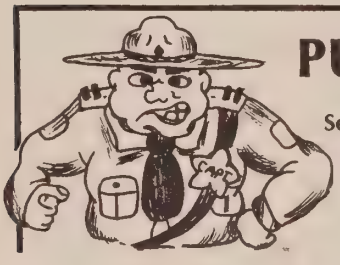
(from Arnaud LA 045 0287)

Bay St Louis Police	Bay St Louis	45.180	
Bay St Louis Police	Bay St Louis	45.300	
Biloxi Police	Biloxi	155.640	
Biloxi Police	Biloxi	155.490	State Net
Gulfport Police	Gulfport	155.370	
Gulfport Police	Gulfport	155.490	State Net
Gulfport Police	Gulfport	155.850	
Gulfport Police	Gulfport	155.730	Intersystem
Harrison County PD	Harrison Co.	45.100	
Harrison County PD	Harrison Co.	45.380	
Harrison County Base	Harrison Co.	159.490	
Harrison County	Harrison Co.	45.220	
Long Beach PD	Long Beach	155.490	State Net
Long Beach PD	Long Beach	155.670	
Long Beach PD	Long Beach	155.730	
Ocean Springs PD	Ocean Springs	155.580	
Ocean Springs Park	Ocean Springs	172.525	Park Rangers

Pass Christian PD	Pass Christian	45.220	
Pass Christian PD	Pass Christian	45.460	
Pass Christian PD	Pass Christian PD	155.490	State Net
Waveland PD	Waveland	45.180	
Waveland PD	Waveland	45.300	
Biloxi Fire Dept	Biloxi	154.385	
Biloxi Fire Dept	Biloxi	154.160	Mutual Aid
Gulfport Fire Dept	Gulfport	154.010	
Gulfport Fire Dept	Gulfport	154.130	
Long Beach Fire Dept	Long Beach	154.430	
Biloxi Ambulance	Biloxi	155.205	Amserve
Gulfport Ambulance	Gulfport	155.220	
Statewide Amb Net	Statewide	155.340	
STATEWIDE			
State Police Troop K	Gulfport	42.120	
State Police		42.180	
All Troops	Statewide	42.020	
Mississippi Game Wardens	Statewide	45.00	

TEXAS

Marvin (TX-03) has informed us that Lifeflight has changed their unicom in Houston to 122.875. With Houston Fire EMS now using 462.975 more of the radio chatter has moved to the unicom.



PUBLIC SAFETY — SOUTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Florida, Georgia, N. Carolina, S. Carolina, W. Virginia and Virginia:

Jorge L. Rodriguez, 1129 Castile, Coral Gables, FL 33134

Welcome to the October column! This month we complete our two part report with North Florida's emergency trauma helicopter ShandsCAIR. In addition, we have the first of a multi-part report from Joe MD-015 on the North Carolina Forest Service.

SHANDSCAIR FLIGHT PROGRAM

By Rand Kerr (FL-019)

SHANDS HOSPITAL
GAINESVILLE, FLORIDA

The Shandscair Flight Program has been in operation at Shands Hospital in Gainesville, Florida since December of 1981. The entire fleet consists of the helicopter known as SHANDSCAIR I along with four fixed wing planes used for unlimited distance emergency, non-emergency and neonatal transports.

Shandscair I is a Bell 206 L-1 Longranger helicopter and is equipped with medical equipment comparable to an Advanced Life Support ambulance. The radio equipment in Shandscair I is a Wulfsburg Flexcom VHF-UHF synthesized radio able to dial in any frequency between 148-174 Mhz and 450 to 512 Mhz with multiple PL access. Following is a list of radio frequencies used by flight and dispatch personnel of all which have the capability for phone patch:

461.625 Flight crew primary dispatch
123.05 Unicom fixed wing communications
460.275 Alachua County common law enforcement for landing zone est
155.340 Statewide common medcom
154.950 Florida common law enforcement
155.370 Florida common law enforcement
463.050 MED-3 EMS unit to hospital telemetry and medical communications

463.075 MED-4 EMS unit to hospital telemetry and medical communications
463.125 MED-6 EMS unit to hospital telemetry and medical communications
463.175 MED-8 EMS unit to hospital telemetry and medical communications

The Shandscair Program has its own dispatch center located in the hospital emergency department which is manned 24 hours daily and staffed by a total of seven personnel including the Program Director. In addition to coordinating all radio communications for the flight crews, Shandscair dispatchers are also responsible for medical communications from all EMS units transporting patients to Shands or the Veteran's Hospital across the street.

The normal flight crew on Shandscair consists of the pilot, a Registered Nurse and a Paramedic. The helicopter responds both to the scenes involving critical or multiple patients and to other medical facilities for transport to Shands. The response area for the helicopter program covers a 150 mile radius from Shands Hospital. When responding to the scene of an incident for patient transport, law enforcement, fire or EMS must communicate directly with the helicopter to establish a safe landing zone prior to setting down if a designated helipad is not available.

The most recent addition to the flight program is a 1986 Ford F350 Type III ambulance constructed by Wheeled Coach, Inc. The ambulance is used for transporting teams and equipment to the airport for fixed wing flights and to take the place of air transport when severe weather prohibits.

Activity and call load for the entire Shands Hospital Flight Program consists of :

70 helicopter flights per month 20% of which are pre-hospital rescue or scene calls
50 fixed wing (plane) flights per month
20 ambulance ground transports per month

Shandscair I and Statflight, the EMS helicopter operated by Alachua General Hospital, respond on a rotational basis to scene calls within Alachua County and respond as requested to calls outside of Alachua County. Either of the two EMS helicopters will respond at the request of law enforcement to search for missing/endangered persons, survey boating or plane accidents, etc. but do not assist in the search for or apprehension of wanted persons.

Any members that would like additional information on the EMS flight programs here in Alachua County, Florida or other public safety agencies in this area, are encouraged to contact me as indicated below.

Randy Kerr (FL-019)
Communications Training Coordinator
Alachua County Sheriff's Office
PO Box 1210
Gainesville, Florida 32602

PART ONE OF NORTH CAROLINA FOREST SERVICE, RECEIVED BY THEIR COMMUNICATIONS OFFICE, JUNE 1986, DATED JANURARY 1986. THIS INFO WILL TAKE TEN PARTS.

CHANNEL	1	DISTRICTS 2,8,11,13	31.340
CHANNEL	2	DISTRICTS: 4 and 12	31.420
CHANNEL	3	DISTRICTS: 6,7,9,10 and HQ.	31.460
CHANNEL	4	DISTRICTS: 1,3,5, G.F.C.	31.540

KEY TO MOBILE UNIT CALL SIGNS:

RALEIGH HEADQUARTERS: ALL CALLSIGNS STARTING WITH THE WORD"RALEIGH"
DISTRICT OFFICES: DISTRICTS 1-9 CALL IS TWO DIGITS, 1-1,1-2, 9-1 ETC.
DISTRICTS 10, 11,12, 13 CALLSIGN IS THREE DIGITS, 10-1,11-2 ETC.
PRIVATE COOPERATORS CALLSIGNS BEGINE WITH COMPANY NAME "FEDERAL 2"ETC.
HAULING UNITS: FIRST NUMBER IS DISTRICT, FOLLOWED BY "X", LAST DIGIT IS THE NUMBER IN TH E DISTRICT.
NURSERIES: STARTING WITH NAME I.E. EDWARDS 1, CLAIRDGE 2, ETC.

SIGNAL CODES

SIGNAL 1- IN SERVICE SIGNAL 2- OUT OF SERVICE
SIGNAL 3- RELAY MESSAGE TO-_____. SIGNAL 4 MAKE NO MENTION OF LAW ENFORCE.
SIGNAL 5- OFFICALS PRESNET. SIGNAL 6- ANSWER ON ANOTHER FREQ.
SIGNAL 7- SEEDLINGS SENT TO YOUR DISTRICT. SIGNAL 8- NOT CORRECT RADIO PROCEDURE.
SIGNAL 9- TODAY'S BUILD UP INDEX FOR THIS STATION IS----------.
SIGNAL 10- REPORT YOUR DISTRICT FIRE SITUATION TO ASSIST. DIRECTOR,OPERATIONS.
SIGNAL 11- STAND BY FOR OFFICAL WEATHER FORECAST FROM THIS STATION IN 2 MIN.
SIGNAL 12- MY PLOW SENT TO FIRE--------. THIS CODE IS FOR PRIVATE COOPS.
WHO HAVE PLOWS STATIONED AT A DISTANCE FROM THEIR HEADQUARTERS, IT IS NOT
USED BY,STATE FOREST.
SIGNAL 13 KEEP RADIO TRAFFIC TO MINIMUM, FIRES IN MY DISTRICT.
SIGNAL 14 GIVE YOUR UNITS FIRE SITUATION REPORT ON FIRES WHICH STARTED
BETWEEN 0001 AND 2400 HOURS ON_____.
SIGNAL 25- ALERT_____, FOR FIRES DUTY IN DISTRICT_____.
SIGNAL 26 CALL MY HOME AND SAY I WILL BE HOME AT_____.
SIGNAL 99- BLOW UP ALERT.

RALEIGH HEAD QUARTERS:

RALEIGH 1-1	ASSIST. SEC. NATURAL RESOURCES	RALEIGH OFFICE
RALEIGH 1	DIRECTOR	RALEIGH OFFICE
RALEIGH 1-2	EXECUTIVE DIRECTOR	RALEIGH OFFICE
RALEIGH 2	SECTION CHIEF	FIELD PROJECTS
RALEIGH 2-1	SPECIAL PROJECTS FORESTER	FIELD PROJECTS
RALEIGH 2-2	CONSTUCTION CONSULTANT	FIELD PROJECTS
RALEIGH 2-3	SR. STAFF FORESTER URBAN FORESTERY	FIELD PROJECTS
RALEIGH 2-4	EDUCATION ADMIN, STATE FORESTER	FIELD PROJECTS
RALEIGH 2-5	INTERPRETATIVE FORESTER	FIELD PROJECTS
NURSERY 1	SR. STAFF FORESTER	NURSERY AND TREES
RALEIGH 3	SECTION CHIEF	ADMIN. SECTION
RALEIGH 3-1	STAFF OFFICER	ADMIN. SECTION
RALEIGH 3-2	SUPPLY OFFICER	ADMIN. SECTION
RALEIGH 3-3	PERSONNEL OFFICER	ADMIN. SECTION
RALEIGH 3-4	BUDGET OFFICER	ADMIN SECTION
RALEIGH 3--5	HEAD, EQUIP. AND COMM BRANCH	ADMIN. SECTION
RALEIGH 3-6	COMPUTER SPECIALIST	ADMIN. SECTION
RALEIGH 3-7	CHIEF RADIO ENGINER	ADMIN. SECTION
RALEIGH 3-8	EXCESS PROPERTY COORDINATOR	ADMIN. SECTION
RALEIGH 4	SECTION CHIEF	DISTRICT OPERATIONS
RALEIGH 4-10	SR. STAFF FORESTER	DISTRICT OPS.
RALEIGH 4-11	STAFF FORESTER	DISTRICT OPS.
RALEIGH 4-12	SR. STAFF TRAINING FORESTER	DISTRICT OPS.
RALEIGH 4-13	CHIEF INVESTIGATOR	DISTRICT OPS.
RALEIGH 4-14	FIELD INVESTIGATOR	DISTRICT OPS.
RALEIGH 4-15	FIELD INVESTIGATOR	DISTRICT OPS
RALEIGH 4-20	SR. STAFF FORESTER	DISTRICT OPS.
RALEIGH 4-21	STAFF FORESTER	DISTRICT OPS.
RALEIGH 4-22	STAFF FORESTER	DISTRICT OPS.
RALEIGH 4-23	WATERSHED PROTECTION FORESTER	DISTRICT OPS.
RALEIGH 4-24	WATERSHED PROTECTION TECH.	DISTRICT OPS.
RALEIGH 4-30	SR. STAFF FORESTER	DISTRICT OPS.
RALEIGH 4-40	SR. STAFF FORESTER, INFO.	DISTRICT OPS.
RALEIGH 4-41	ARTIST- ILLUSTRATOR	DISTRICT OPS.
RALEIGH 4-42	PUBLIC INFORMATION OFFICER	DISTRICT OPS.
RALEIGH 4-50	STAFF FORESTER- INDUSTRIAL COORD.	DISTRICT OPS.
RALEIGH 4-60	CHIEF PILOT	DISTRICT OPS.
RALEIGH 4-61	STATE AIRCRAFT MAINT SUPER.	DISTRICT OPS.
RALEIGH 4-62	AIRCRAFT RADIO ENGINEER	DISTRICT OPS.
RALEIGH 4-63	AIRCRAFT MECHANIC	DISTRICT OPS.
RALEIGH 5	SECTION CHIEF	TECHNICAL DEVELOPMENT
RALEIGH 5-1	SR. STAFF FORESTER, PLANNING	TECH. DEVELOPMENT
RALEIGH 5-2	STAFF FORESTER,PINE SILVICULTURE	TECH. DEVEL.
RALEIGH 5-3	STAFF FORESTER, HARDWOOD SILV.	TECH. DEVEL.
PEST CONT. 1	PEST CONTROL FORESTER, WEST	MORGONTON NC
PEST CONT. 2	PEST CONTROL FORESTER, EAST	GOLDSBORO, NC
PEST CONT. 3	PEST CONTROL TECHNICIAN	MORGONTON, NC

REGION 1-1	REGION FORESTER	GOLDSBORO, NC
REGION 2-1	REGION FORESTER	SANFORD NC
REGION 3-1	REGION FORESTER	ASHVILLE, NC

CLEMMONS 1	FOREST SUPERVISOR,	CLEMMONS STATE FOREST
CLEMMONS 2	RANGER	CLEMMONS STATE FOREST
CLEMMONS 3	RANGER	CLEMMONS STATE FOREST
KYZ-445	CLEMMONS FOREST HQ	ON CHANNEL 3

DISTRICT ONE --- ASHVILLE CHANNEL 4

1-1	DISTRICT FORESTER	ASHVILLE
1-2	ASSIST. DISTRICT FORESTER	ASHVILLE
1-3	SERVICE FORESTER	ASHVILLE
1-4	DISTRICT RANGER	ARDEN
1-5	SERVICE FORESTER	ASHVILLE
1-6	TECHNICIAN	CANDLER
1-8	DISTRICT MECHANIC	ASHVILLE
1-9	EQUIPMENT OPERATOR	ALEXANDER
1-10	EQUIPMENT OPERATOR	MARION
1-12	BEARWALLOW TOWERMAN	GERTON
1-16	DISTRICT SCOUT	D-1 SHOP
1-19	UTILITY PICKUP	D-1 SHOP
REG 3-9	RADIO ENGINEER	ASHVILLE
1x1	HAULING UNIT	MCDOWELL HQ
1x1 TRACTOR	TRACTOR	MCDOWELL HQ
1x2	HAULING UNIT	D-1 HQ
1x2 TRACTOR	TRACTOR	D-1 HQ
1-55	BUNCOMBE COUNTY RANGER	ASHVILLE
1-56	ASSIST BUNCOMBE CO. RANGER	ASHVILLE
1-57	BUNCOMBE COUNTY SMOKE CHASER	ASHVILLE
1-65	HENDERSON COUNTY RANGER	HORSESHOE
1-67	HENDERSON COUNTY SMOKECHASER	HENDERSONVILLE
1-70	MADISON COUNTY RANGER	MARSHALL
1-71	ASSIST. MADISON COUNTY RANGER	MARS HILL
1-75	MCDOWELL COUNTY RANGER	MARION
1-76	ASSIST. MCDOWELL CO. RANGER	MARION
1-80	MITCHELL COUNTY RANGER	BAKERSVILLE
1-83	MITCHELL COUNTY SMOKECHASER	SPRUCE OINE
1-85	POLK COUNTY RANGER	
1-87	POLK COUNTY SMOKE CHASER	MILL SPRINGS
1-90	RUTHERFORD COUNTY RANGER	BOSTIC
1-91	ASSIT. RUTHERFORD CO. RANGER	RUTHERFORDVILLE
1-94	RUTHERFORD COUNTY SMOKECHASER	BOSTIC
1-95	YANCEY COUNTY RANGER	BURNSVILLE
1-97	YANCEY COUNTY SMOKE CHASER	BURNSVILLE

KNFE -672	D-1 HEADQUARTERS-G*	KNDD- 709	HENDERSON COUNTY HQ
KFG-478	MADISON COUNTY HQ	KGR-392	MCDOWELL CO. HQ-G*
WSN-752	MITCHELL CO. HQ	WST-751	POLK COUNTY HQ
KYL-833	RUTHERFORD COUNTY HQ-G*	WZX-821	YANCEY COUNTY HQ
KII-419	DISTRICT ONE HEADQUATERS LOW BAND, G*- W/GAS PUMPS		

THAT IS ALL FOR THIS ISSUE, NEXT TIME DISTRICT 2, LENOIR

PUBLIC SAFETY — GREAT LAKES:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Illinois, Indiana, Wisconsin, Michigan, Kentucky, and Ohio:

David Wilcox, 1711 Excalibur Drive, Janesville, WI 53545

HELLO! Welcome to Public Safety/Great Lakes for November, 1986. Yes, you recognized the old familiar type style, even if you didn't bother to read the column header. Your "recently resigned" editor Jack is still providing the material -- what there is of it....

Once again the mailbag holds but two lonely contributions. One is a letter from friend and fellow-editor **BOB** Hohlmayer [OH-157], who writes for the All Ohio Scanner Club Newsletter. If I shared with you all the kind comments **BOB** offered about my efforts as editor you'd think I paid him to write in! Anyway, thanks for the empathy and support, **BOB**.

The second contribution this month is from a new member named **BIFF**, who sent an extensive review of the scanner detective and inductive

reasoning he did after reading my August, 1986 piece on Chicago Police Dept. contributed by **RON** [IL-310]. I usually don't run input as long as **BIFF**'s uncut {maybe that's been an error in judgement?}; but I've decided to do so this month for two reasons: 1) I think you might enjoy - and perhaps learn from - seeing the reasoning that went into this letter and 2) I'm hoping the assumptions will stimulate further reader input and comment. I've admitted several times that I'm not an expert on CPD - I rely on **MIKE** [IL-014] for my expertise there. The only minor error I'm sure about is that CW 8 {460.525 mHz} is low power simplex, not repeaterized. So, enough rambling. Here's **BIFF**'s letter - what are your comments?

I got my first issue this week, (August 1986) and I made some interesting connections with it, already.

In this issue, on page 43 you relayed some information you received from Ron (IL-310), regarding the Chicago Police Department. While the lower half of that page appears to refer to the entire citywide department, the upper half refers only to the 8th District. You ended that page saying "Now if I can only get Ron to send me copies of the same details for the other 24 districts..." Well, it appears from his information, that we can assume certain things about all districts. He reported on the 8th District and every car listed or unit listed begins with "8". EXAMPLE: 800 District Commander, 801 Desk Sergeant, 802 Desk Officer etc. Since there appears to be some method here, I assume that the 1st District Commander is Unit 100, the 2nd District Commander is Unit 200 and so on to the 25th District Commander being Unit 2500. Each Sector is also listed. While we can't know how many Sectors exist in each District, the numbers do give themselves away. EXAMPLE: District 8, Sector 1...the Sergeants car or unit is 810 and the beat cars in his Sector correspond as 811-812-813-814-815 and the Sector cars correspond as 816-817-818. The same follows with Sector 2. Again, the District is 8, but the Sector is 2. And the Sergeants car or unit is 820 and the beat cars correspond as 821-822-823-824-825 etc. I believe, then, that if we heard unit 2324 on a scanner, we could establish that he was from District 23 in Sector 2 and that he is beat 4....2324. Similarly, the number 6 seems to denote tactical team and the number 7 denotes Squadrols, as in 860 being the Sergeant on the 8th Districts tactical team 1 and his subordinates are 861-862-863 etc.

So, my point is that based on Rons information, you do have the "same details for the other 24 districts"...at least you can compile such using those rules of thumb I described.

Further, Ron listed the frequency for the 8th District as being 460.400. I don't have the addresses for each district station. In fact, I don't even know the location of the various districts through out the city. However, by utilizing the 1986 issue of "Police Call" and refering to page 13 and 14 I have made certain notes, worth calling to your attention.

The districts seem to be paired into zones and the frequencies listed are for all districts in that zone. Note to the left of those frequencies are the clues. EXAMPLE: Ron listed 460.400 for District 8. If you check the left hand column of page 14 in the 1986 issue of "Police Call" and go down about 30 lines, or about 1/3 of the way down the page, you will see 460.4000 (KBA636). Look to the left of that frequency and sure enough District 8, along with District 7 is listed in zone 6..."(Z6 DISTRICTS 7,8)". Look to the right of that frequency and it shows"2MR",(Mobile Relays). That doesn't seem like a lot of units for that frequency until you look further down that page and locate 465.4000 (WBR216)...1 CO, (Control) and 465.4000 (KK3637)...2669 MOB (Mobile Units).

Using a little common sense and some deduction, it seems safe to assume that these (460.4000 and 465.4000) are paired frequencies used in zone 6 by districts 7 and 8 of the Chicago P.D. From that, I went a step further and have listed them all below to simplify things for your readers.

ZONE	PAIRED FREQUENCIES	CORRESPONDING DISTRICTS
Z1	460.4750.....465.4750	16 and 17
Z2	460.0500.....465.0500	19 and 23

	MRs (Mobile Relays) Repeaters	COs (Controls)
Z3	460.2250.....465.2250	13 and 14
Z4	460.1500.....465.1500	1 and 18
Z5	460.5000.....465.5000	2 and 21
Z6	460.4000.....465.4000	7 and 8
Z7	460.0750.....465.0750	3
Z8	460.2000.....465.2000	4 and 6
Z9	460.0250.....465.0250	5 and 22
Z10	460.1000.....465.1000	10 and 11
Z11	460.3750.....465.3750	20 and 24
Z12	460.4250.....465.4250	15 and 25
Z13	460.4500.....465.4500	9 and 12

I only see 42 other frequencies listed for the entire city of Chicago. 16 of those are paired and listed as follows:

C1 Traffic and Admin....460.1250 and paired to 465.1250
C2 Detectives, SOG.....460.1750 and paired to 465.1750
C3 Citywide Alternate...460.2750 and paired to 465.2750
C4 Youth, ET's.....460.3250 and paired to 465.3250
C5 Citywide Alternate...460.3500 and paired to 465.3500
C6 Citywide Alternate...460.2500 and paired to 465.3000
C7 Command.....460.3000 and paired to 465.3000
C8 Low Power.....460.5250 and paired to 465.5250 (not listed)

10 more are paired and listed as follows:

820.8875....865.8875
820.9125....865.9125
820.9375....865.9375
820.9625....865.9625
820.9875....865.9875

Non-Paired (Remaining)

154.6500 155.5800
154.7400 155.6400
154.8000 155.7000
154.8300 155.8500
154.8600 155.9700
154.9500 158.7300
155.3700 158.8500
155.5200 159.0300
159.1500

According to the 1986 issue of "Police Call" that is all of the frequencies used by the Chicago Police Department, altho there are probably numerous unlisted frequencies and local frequencies also used as well.

Coupling this information with August 1986 RCMA's lower half of page 43, Department Unit Assignment Numbers, certain other information can be assumed, such as: Car Numbers 8100-8699....Youth Division listed in RCMA would probably correspond with C4 Youth, ET's...460.3250 and 465.3250 frequencies listed in 1986 "Police Call" and one might assume that the cars listed use the frequencies listed and so forth.

My scanners are set to the suburbs in my area (North of Chicago) and I don't have enough range to pick up individual squad cars from the city of Chicago. But, I believe someone downtown might be able to confirm a lot of this speculation I have made here.

I hope this can help anyone in the Chicago area that is interested in the Chicago P.D.

--

HIGHWAY MAINTENANCE FREQs While former editor, and another friend, **JOHN** [IL-012] had the column, he started a tradition of printing highway dept freqs over the winter months to help us keep track of road conditions when the snow flies. Looking back over the year, I see that Wisconsin county freqs appeared in the February issue. This month we'll review the state frequency systems that I have data on.

First is **WISCONSIN.** The map below locates the eight Division of Highways districts for you. Below that are two tables with corresponding freqs. In keeping with the spirit of PS/GL, you're invited to review the listings, monitor the freqs, and report back which are correct.

DIVISION OF HIGHWAYS DISTRICTS

From Monitor America

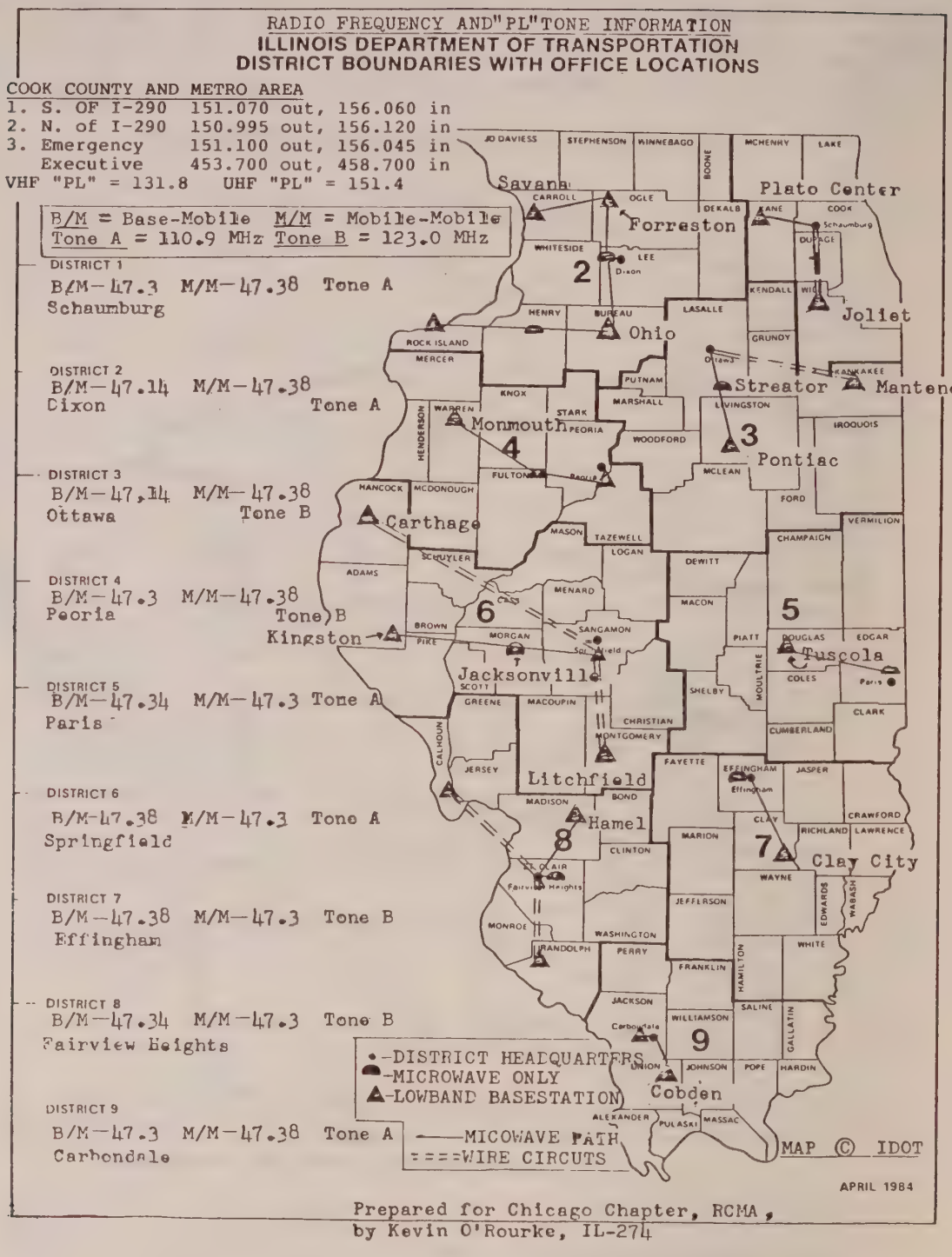
Frequency	Districts Covered
453.325	1, 6, 7
453.475	3, 5, 8
453.575	2
453.925	4

From WI-001

Frequency	Districts Covered
453.300	2, 4, 8
453.325	1, 6
453.475	3
453.575	5, 7

--

ILLINOIS - The following map was provided {as you can see} by **KEVIN** [IL-274]. It was distributed at a meeting of RCMA Chicago.



MICHIGAN - My files show the following listings:

Frequency	Area Covered
151.085	Detroit metro, Upper Penninsula, Northeast, West Central
151.115	Upper Penninsula, East Central, Southwest
151.040	Southest
151.055	Northwest

Each of these freqs is a repeater output; the mobile inputs are in the low band.

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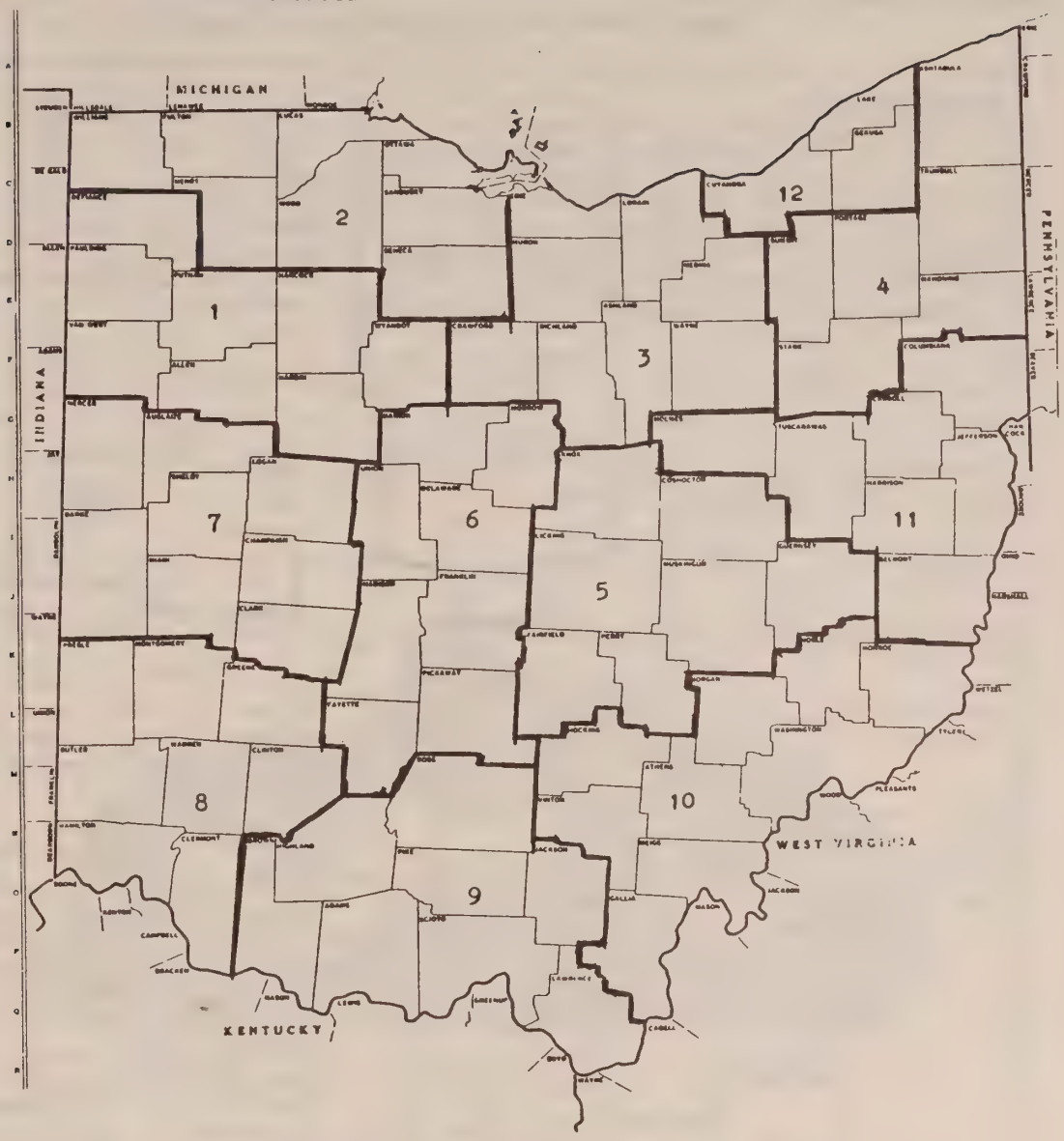
OHIO - This map is from my files; I'm afraid I've lost the identity of its original source.



District	Primary Freq	Secondary Freq
1	47.34	47.22
2	47.22	47.34
3	47.40	47.22
4	47.34	47.22
5	47.34	47.22
6	47.30	47.22
7	47.22	47.34
8	47.34	47.22
9	47.22	47.34
10	47.40	47.22
11	47.22	47.34
12	47.22	47.34

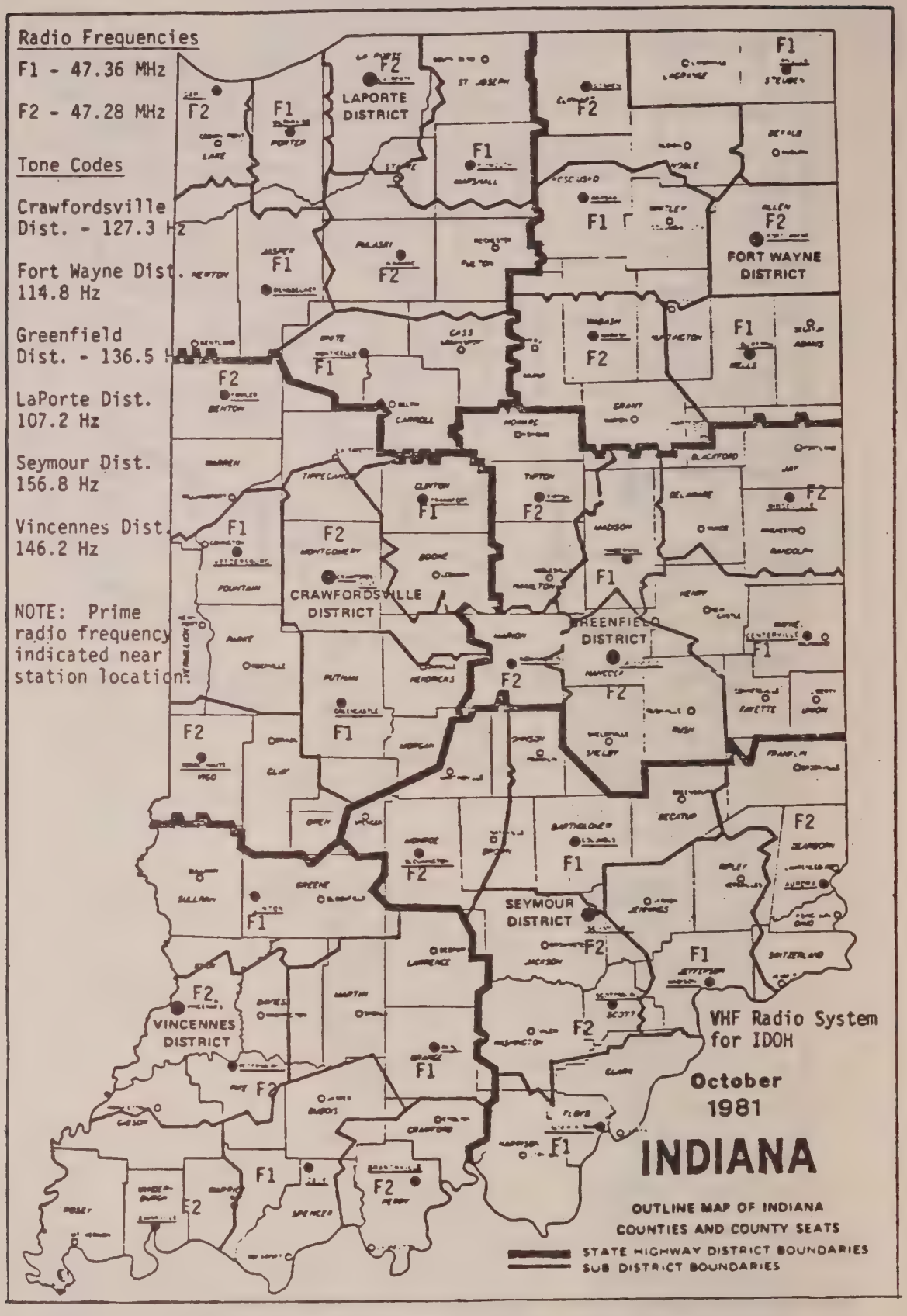
--

KENTUCKY - The best I can do for you here is to provide some freqs. The western three-quarters of the state uses VHF low band. Monitor the following: 47.14 47.22 47.26 47.38. The Southeastern quarter of Kentucky uses repeaterized VHF high band. The output freqs are: 156.045 156.060 156.075 156.135. Sorry there's no map.

--

INDIANA - Highway Commission operates on low band: **47.28** and **47.36** mHz. The B-M pair alternates depending upon which district you're monitoring. **DAVE** [IN-002] sent me a map and correct usage report, and they're shown below. For Marion County monitor 151.055 R and 453.500.

INDIANA DEPARTMENT OF HIGHWAYS RADIO FREQUENCIES



THE FAT LADY is singing, so that must mean my time is up at last. Let me say one final time how much I've enjoyed being your editor for the past two years. PS/GL received many compliments, both directly to me and to the management, and it's to your credit, readers, because you provided the material and ideas.

As I was finishing this column I received a letter from General Editor Capt. Bill Mauldin informing me that a replacement editor for PS/GL

David Wilcox [WI-035]
1711 Excalibur Drive
Janesville, WI 53545

You probably recall seeing David's name in the September edition. I'm sure you'll support him as well as you've supported me.

Thanksgiving's coming up. Maybe you could remember your public safety employees {like firefighters ... I never give up}, and the freedom we have in our country to freely exchange information like this, in your prayers. Then, when the dinner is reduced to turkey bones and empty plates, you can waddle in to the listening post, fire up the scanner, and

TRACK 'EM DOWN !! WRITE 'EM UP !! SEND 'EM IN !!

Best regards {don't let Dave get lonely},

Jack

PUBLIC SAFETY WEST

Send Public Safety and Special Emergency frequencies, radio system details and questions for Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming to:

George N. Hoggatt
17473 E. 16th Dr
Aurora, CO 80011

First a question that I hope someone out there can answer. Mike ID-001 and George ID-003 would like to know what the Ada County Idaho EMS Blue frequency is. If you know, let me know and I'll forward it to them and print it here.

DENVER COLORADO POLICE

The Denver Police has reorganized. There is some confusion (the Chief has said he expects six months of confusion.) But the basics are:

A new position of Deputy Chief - John O'Shea

The Patrol and Traffic Divisions have been merged into the Operations Division. Traffic officers are now part of the District staffs and answer to District commanders. The old traffic numbers 600, 700 and 800 series units are gone. The traffic cars now use the District numbering - 1st digit: distirct, 2nd and third digits 80-89. This may change.

The Juvenile Division became part of the Investigation Division.

Three new Divisions have been created - Training, Staff Services and Electronics and Communications. The latter is responsible for

the NEW radio system and the NEW computer aided dispatch system.

The Technical Services and Administrative Divisions were eliminated.

The Community Relations Bureau and the SWAT (METRO) are part of the Operations Division.

On a related note, there has been talk about when they are going to install the new 800mhz equipment in the EOC, but there is no activity on 800mhz yet.

MONTANA - Craig KD6PN

-City of Bozeman-

155.67R/154.725in	Bozeman Police KOA4Ø4
154.65	Bozeman Police car-car "tac" F3
154.25	Bozeman Fire F1 KZB328
154.205	Bozeman Fire F2
158.82	Public Works KOM969

-State of Montana-

154.92R/159.09in/159.15in	State Police KOG622
154.695	State Police car-car
155.43	MSU Police F1 KFZ9Ø1
155.745	MSU Police F2
462.85	School Operations
161.70	Civil Defense
155.925	Fish & Game Statewide
155.505	Fish & Game Bozeman Area
151.175R/159.405in	State Forestry
151.475R/159.33in	State Forestry Helena
151.22	State Forestry unknown
159.375	State Forestry car-car

-Gallatin County-

154.995R/153.815in	Sheriff "593" KYL61Ø
155.58	Sheriff car-car F3
155.475	NLEEF car-car F5
158.805	Search & Rescue
155.79	Police Mutual Aid
153.905	Interagency Mutual Aid
154.37	Gallatin Gateway Fire
153.89	Rae Fire
153.77	Bridger Canyon Fire
154.265	Belgrade Fire F1
154.445	Belgrade Fire F2
155.325	EMS Primary "F3"
155.205	EMS Secondary "F5"
155.28	Hospital to Ambulance
155.34	Hospital to Hospital
155.295	Veterinarians
155.16	Vets & School Buses
155.175	Doctors
155.265	Ski Patrol (Bridger Bowl)
154.54	Ski School (Bridger Bowl)
155.22	Paging
451.475	Paging

PUBLIC SAFETY — NORTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — New England states, New York, Pennsylvania, New Jersey, Maryland, Delaware, and District of Columbia:

COLUMN EDITOR WANTED

PUBLIC SAFETY — NORTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details and questions as follows — Iowa, Kansas, Missouri, Nebraska, N. Dakota, S.Dakota, and Minnesota:

PUBLIC SAFETY—CALIFORNIA

P.O. Box 3962 Santa Fe Springs, California 90670-1962

Welcome to the November installment of PS-CA. The editors would like to take this time to apologize for the absence of the September issue of the column. Due to schedule changes and technical difficulties beyond our control, the column didn't make the deadline.

One addition to the October column is in order, re: the Saratoga Fire freqs: It was inadvertently left out that the dispatch frequency of 154.400 Mhz DID NOT have a call sign. This freq has been temporarily assigned KMF786 as is no longer unlicensed.

Checking the newswires [and clippings]: The FCC is considering a requirement of every radio and TV transmitter to transmit electronic "name tags" whenever it is on the air. This suggestion comes in the wake of a series of interruptions of satellite transmissions, most recently, following the escapade of "Captain Midnight." [A Florida man who interrupted an HBO movie with a message of protest, against scrambling of cable pictures by HBO.] The FCC has proposed that a automatic identification system be installed on every transmitter dish, with each transmitter given a unique identification number that would make tracking unauthorized transmitters easier. The proposal is not limited to satellite transmissions. Comments are due to the FCC by mid-November. And yes, "Captain Midnight" was captured, and was placed on a 1 year probation sentence, in addition to a payment of a $5000 fine.

JANE'S DEFENSE WEEKLY, a London-based military publication, reports that 84 helicopters that are operated over the skies of Southern Cal, dwarfs the fleets of many smaller counties. The 15-unit fleets of the LAPD and LASO, plus 17 other helicopters of other city and county agencies, surpass, in numbers, the Kenya Air Force [13 helicopters], and Libya [82 helicopters]. These helicopters have logged over 66,700 hours of flight time, in which editor Mark Daly remarked: "...that's immense..." The helicopter use is primarily for law enforcement, with firefighting [and rescue] being the second.

The San Bernardino Fire Department has halted their helicopter patrol program after 28 years. Budget cuts and sky-rocketing insurance costs are blamed for the end. SBFD will now rely on the San Bernardino SO fleet for emergencies. The 2 Hiller UH-12E's are expected to be sold for $70,000 [including spare parts]. The copters served in rescues and airborne command posts, as well as water dropping airtankers.

Also from San Bernardino County, since the closure of the Keller Peak lookout tower by the USFS in 1971, 60 volunteers climb up the tower and scan the area for brush fires, during the brush fire season. The Rim of the World Interpretive Association [the group's name] has been responsible for early detection of fires, where modern technology has fallen short [an infared scanner was installed after the closure of the tower, but was removed when it couldn't distinguish a brush fire from a car muffler]. The volunteers also provide guided tours of the San Bernardino National Forest, as well as providing campfire safety lectures. The group has invested $2700 to make the 60-year old tower "...habitable..."

But the new techology hasn't been done away with completely by the USFS. A new computer system is in use, by the USFS, which can detect the location of lightning strikes. The computer measures the amount of electricity of a ground strike, then relays, by radio signals, to several mountain-top antennas. Future plans call for the use of an orbiting satellite to relay the signals. The computer can also assist in determining how the fire is to be fought. But, the human element is still being used. Before the computer, airborne patrols would be sent up during such lightning storms,and randomly search for possible strike areas. The computer now aids in the direction of the search, eliminating time loss. The computer will help replace the closure of several lookout towers.

From Bob [CAAL-042]: Bob reports that recently he was able to tour the major Orange County Communications and provides some updated info on ORCO Fire's 800 system. He states that the trunked 800 system will be in total operation within the next 2 years [including all cities as well as ORCO], and that the current system is reportedly "...in name only so that the County would not lose their 800 license." ORCO uses 5 transmitting sites from Yorba Linda to San Clemente, by which the dispatcher can operate on any of these sites. Mobile units call into the voter will picks the closest site and will automatically switch to it. After a short delay, or no voice, the transmitter will automatically switch to Bolero Peak. Bob also asks why the SCU tones can't be heard on Channel 1? In addition, Bob notices that in the "Government Radio Systems" book, a freq of 507.1125 is called fire paging, and wants to know what it is used for. Can anyone out there give him the answers?

Bob also reports on a change in the numbering of the CDF Schedule "A" Engines that operate in the Santa Clara Ranger Unit:

Eng #1	Morgan Hill Headquarters
Eng #2	Masten Road at 101
Eng #3	Hecker Pass Road
Eng #4	Sunol CDF Station [Old number 5494]

These units are dispatched from the "Morgan Hill" Dispatch Center on 151.445 Mhz. This was the old Region IV net and is still called "Region" although these units are now in Region 1 which has its own "Region" net.

From Brad [CALA-650]: Brad reports on the UCLA Police and Ambulance frequencies, and makes corrections to the listings found in the book, "Government Radio Systems":

Tac 1	155.445 Mhz	Police and EMS Primary
Tac 2	155.505 Mhz	Police Tactical
Tac 3	155.475 Mhz	Command?
	155.160 Mhz	Medstar Dispatch

Both ambulances and police are dispatched on Tac 1. The police units have exclusive use of Tac 2. Tac 5 appears to be the command freq used by both the police and ambulances. The final freq is to dispatch Medstar [a Augusta 109 helicopter] which is used for transportation of critical patients. UCLA has 2 ambulances: EMS-1 and EMS-4. EMS-2 is a pediatric and maternity care transport, and EMS-3 is Medstar. Persons called "Community Service" are school students hired for foot patrols and provide escorts of other students during the night.

Brad also gives the Mauran Ambulance rreq as 461.600 Mhz. Brad says he believes that Mauran no longer uses 155.175 Mhz. He also adds that Mauran Ambulance operates out of an old fire station in San Fernando.

An anonymous inquiry was made re: LA County Fire's freq changes as reported by Gene Hughes' Police Call Supplement. Can anyone confirm

that "White 4" [155.280 Mhz] has replaced 154.265 Mhz? The new White 4 is the HEAR [Hospital Emergency Administrative Radio] freq. LACoFD has renamed the VHF-Hi freqs as "White" and the UHF freqs as "Blue".

From Fred [NM-005]: Here is an update on the Mammoth Lakes PD. They are still being dispatched by Mono County SO [Mono 1] on 154.800 Mhz, with identifiers as 4401 thru 4417. Fred believes the units are ID'd as follows:

4401	Chief of Police
4402	Lieutenant
4403-4416	Officers
4417	Community Service Officer
44 SAM 1, SAM 2, SAM 3	Sergeants

According to Fred, it is unknown if Mammoth Lakes PD will ever do their own dispatching since all 911 cals are now routed to Mono 1. He adds that a new police station is going to be put into a commerical building downtown, and maybe they will do their own dispatching. Fred has verified they are using 155.595 Mhz [ID'd as "PD channel"] as a tactical channel. Since Mammoth PD units are numbered with the "44" prefix, Mono SO has returned to their individual officer numbers as radio calls [i.e. 801-820, 8 SAM 1 - 4] and have dropped the shift-beat-unit systems that he previously reported. As to why Mammoth PD uses the "44" prefix: "...it's a mystery to me..."

Other Mono County news from Fred. During the recent series of earthquakes, the scanners were really jumping, with the most interesting traffic heard on 153.920 Mhz [local government channel]. Many county facilities were damaged near Benton-Chalfant, and many of the Public Works personnel called in good damage reports immediately after the 6.1 quake. Last but now least, Fred reports that June Mountain Ski are was purchased by Mammoth Mountain and the improvements are going up fast. He doesn't know if the existing radio system will be changed to cover the entire June Mountain area. But Fred will go forth, and try to find out this winter, courtesy of a free season pass. As he heads down the slopes, he'll have his scanner close by. [It's a dirty job, but someone has to do it!]

Switching to the Inquiry Channel: Anyone with information on the Stockton Police and San Joaquin SO control points/units and code, a/o anyone who is interested in talking, trading scanner info in the San Joaquin County area can contact: C.D. SMITH [CASJ-010] at P.O.Box 629 Manteca CA, 95363 or send the info to the column.

From George [CASD-058]: Anyone who wants to get together, maybe one night a month in the San Bernardino area to swap freqs, let's hear from you in the next issue,

From Greg [ ]: Does anyone have info on the "Life Flight" ambulance-helicopter freq? It used to be on 461.125 Mhz. Greg also has several new, unlabeled extra issues of the RCMA Newsletter that anyone can have for the cost of postage to send them. He has the May, April, June, July, and September 1981 issues, and the June 1984/100th issue. [For figuring postage costs, each issue weights 3 1/4 oz.] If anyone is interested, contact the PS-CA column, and your request will be forwarded to Greg.

From Ed [CARI-013]: Riverside County/CDF Haz-Mat 1, is now in Station 65, City of Moreno Valley. Engine 65 is now manned with 1 person in quarters, having shared with Station 6 until the new station is finished. Haz-Mat 1 was at Station 54 [Romoland]. Ed also adds the City of Riverside hopes to place bids soon on at least 2 new engines, and possibly a third one. Ed has also included a copy of Riverside County Fire station locations [and equipment]. This listing includes 2 new stations [Stations 70 & 71]. Because of the awkward size of this list, it cannot be published in the column. However, if anyone is interested in a copy, send a SASE requesting the Riverside County

Fire, to the PS-CA column, and a photocopy will be sent to you. The list is dated January, 1986, and Ed has promised to try to get the July, 1986 update.

To conclude this installment of PS-CA, we have the unit numbering systems for Brea Police, Anaheim Police [including a beat map], Kern County SO, Fullerton Police, Sacramento Police, and a "Mickey Mouse" outfit called Disneyland. These are provided by Randy [CAOR-230]. If space limitations prevent all of these numbering systems from being published, the remainder of the pages will be in the next column.

Late update from Dan [CALA-359] and Anonymous: During the recent air disaster over the skies of Cerritos on August 31, 1986, the following frequencies were used during and several days after the tragedy:

39.720	LASO "Edward" [Lakewood Station Command Post]
39.520	LASO "Mary" [Aero Bureau dispatch/Command Post]
470.8875R	LASO F-7 [Lakewood Station HT's/perimeter foot patrols]
470.9125R	LASO F-8 [Commo between LASO aero units]
470.5625R	LACoFD "Blue 1" [Fire tactical]
470.6125R	LACoFD "Blue 3" [Fire tactical]
470.5125R	LACoFD "Blue 5" [Fire tactical/Command]
453.6000	City of Cerritos Local Government
47.5000	Red Cross [Emergency Shelter and mobilization]

And don't forget those news media freqs. Anonymous reported that with all the radios at the scene, a lot of RF interference took place,even causing some downtime with a few HT radios. Anonymous [who took an active part in the emergency operations] states she will provide a more complete list [including some ham freqs].

BREA POLICE DEPT.--- UNIT NUMBERING SYSTEM

22-000	Chief of Police
22-#00	Watch Commander
22-#S1	Patrol Sergeant
22-#11	Patrol- Brea: N. of Imperial, W. of Brea Bl.
22-#12	Patrol- Brea: N. of Imperial, Btwn. Brea Bl./57 Fwy.
22-#13	Patrol- Brea: N. of Imperial, E. of 57 Fwy.
22-#14	Patrol- Brea: S. of Imperial
22-#15	Patrol- Brea: Citywide cover
22-#21	Patrol- Yorba Linda: W. of Lakeview
22-#22	Patrol- Yorba Linda: Btwn. Lakeview/Fairmont
22-#23	Patrol- Yorba Linda: E. of Fairmont
22-#50--59	Reserve Officers
22-#81K, #82K	Canine units
22-600's	Detectives
22-700	Motor Sergeant
22-740--745	Motor units
22-746--749	Parking Control

'#'=	Shift
1	6am--4pm
2	10am--8pm
3	4pm--2am
4	8pm--6am
5	12am--10am

ANAHEIM POLICE DEPT.--- UNIT NUMBERING SYSTEM

26-000	Chief of Police
26-012--080	Vice/Narcotics/Criminal Intelligence
26-#10--#19	Patrol- Sector 1
26-#20--#29	Patrol- Sector 2
26-#30--#39	Patrol- Sector 3
26-#40--#49	Patrol- Sector 4
26-#50--#59	Patrol- Sector 5
26-#60--#99	Special Assignments

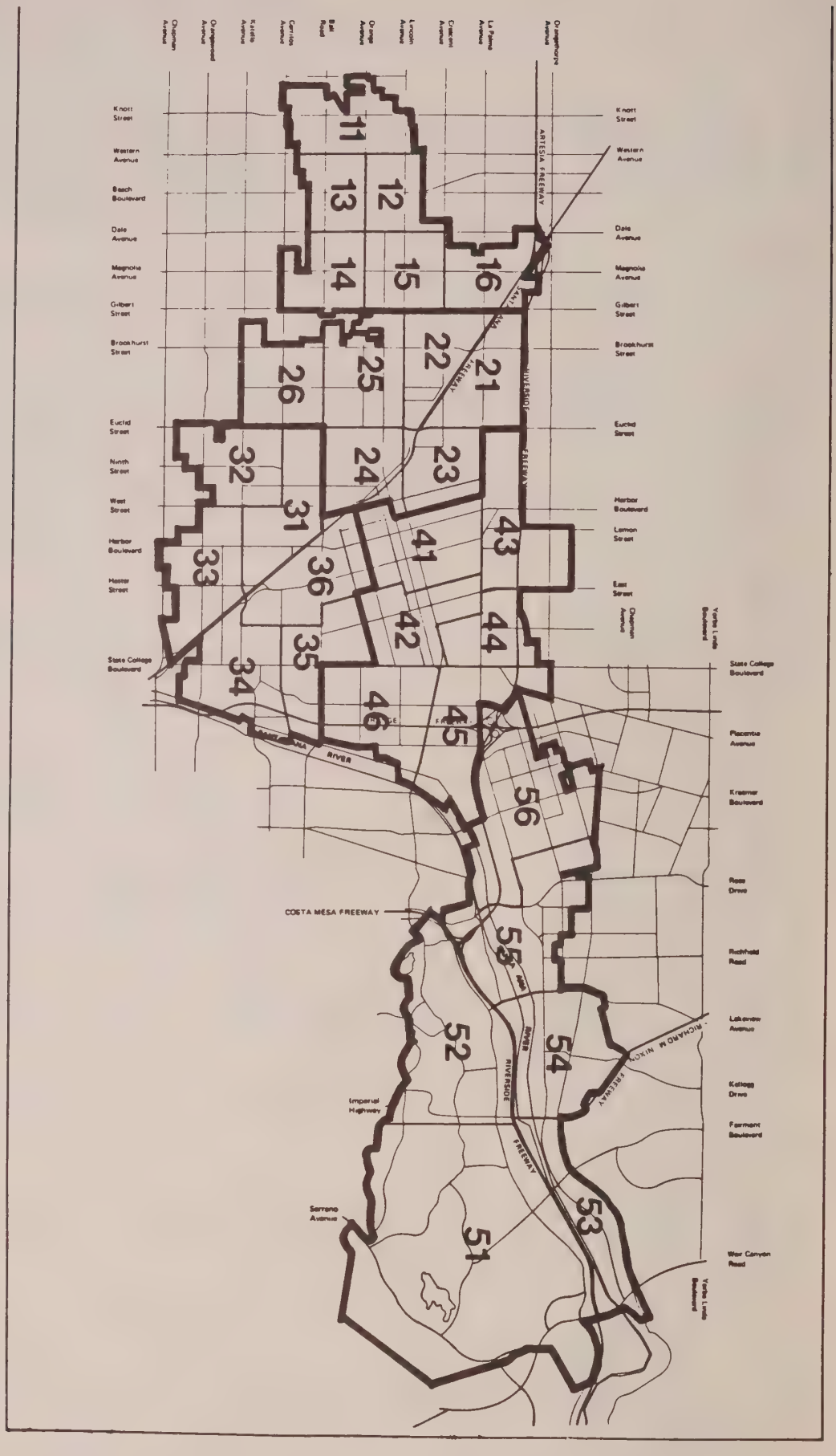
= Shift/ 1 = Graveyard, 2 = Day, 3 = Swing

--Letter Designations--
-A- 2-man unit
-F- Foot Patrol
-K- Canine
-L- Watch Commander
-R- Report writer
-S- Sergeant (#S1- #S5 are Sector Patrol Sergeants)
-X- Non-sworn
-Z- Zoning Officer

26-200	Patrol Bureau Captain
26-270--279	Street Crimes Arrest Team
26-288	Civic Center Security
26-289	Stadium Security
26-400	Operations Support Bureau Captain
26-401	Special Operations Bureau Lieutenant
26-407	Reserve Coordinator Sergeant
26-408	Extra Duty Coordinator Sergeant
26-410--439	Tactical Approach Control Team members
26-440--449	Counter Sniper Unit members
26-450--469	Crime Task Force
26-470--489	Tactical Negotiation Unit members
26-490--499	Aero Bureau Officers
26-500	Investigation Bureau Captain
26-501	Crimes Property Lieutenant
26-502	Crimes Person Lieutenant
26-510--519	Juvenile, Sex Crimes Detectives
26-530--539	Robbery, Homicide Detectives
26-540--549	Commercial Burglary Detectives
26-550--559	Forgery, Fraud Detectives
26-560--575	Residential Burglary Detectives
26-576, 578	Warrant Service Officers
26-580--589	CSI Detectives
26-590--599	CSI Technicians
26-600	Administrative Captain
26-602	Administrative Lieutenant
26-608--619	Community Services, School Resource Officers
26-620--625	Personnel, Internal Affairs
26-701--734	Motors
26-741--745	Traffic Cadets
26-750--779	Traffic Controllers
26-780--783	Accident Investigation
26-788	Commercial Vehicle Enforcement
26-789	Traffic Bureau Sergeant
26-790	Traffic Bureau Lieutenant
26-791--794	Motor Sergeants
26-798, 799	Traffic Control Supervisors
26-800	Transportation Bus
26-801--899	Equipment ID
26-900	Services Bureau Captain
26-901	Services Bureau Lieutenant
26-902	Training Bureau Lieutenant
26-905	Training Bureau Sergeant
26-920	Emergency Services Coordinator

--Misc. units--

Angel	Helicopter
3K1--3	Canine Officers
MCP	Mobile Command Post
Zebra 1--11	Code Enforcement Officers



FULLERTON POLICE DEPT.--- UNIT NUMBERING SYSTEM

24-000	Chief of Police
24-025	Community Services- Sergeant
24-026	Community Services- Officer
24-091	Canine unit

24-092	Canine unit
24-093	Canine unit
24-100	Watch Commander- Shift 1 (2300--0730)
24-200	Watch Commander- Shift 2 (0700--1530)
24-300	Watch Commander- Shift 3 (1500--2330)
24-400	Traffic Bureau- Lieutenant
24-500	Investigation Bureau- Lieutenant
24-501	Administrative Lieutenant
24-600	Patrol Bureau- Captain
24-601	Technical Services- Lieutenant
24-602	Training Bureau- Lieutenant
24-610	Training Bureau- Officer
24-620	Training Bureau- Sergeant
24-630	Communications Bureau- Supervisor
24-672	Jail Transportation Van
24-700	Services Bureau- Captain

PATROL ZONES

Zone 1	W. of Euclid
Zone 2	Btwn. Euclid & Raymond
Zone 3	E. of Raymond

24-#01--19	Patrol units
24-#20--29	Patrol units- Master Officers
24-#31, 32	Crime Scene Investigation
24-#41--49	Special Assignment units
24-#51--53	Patrol Sergeants
24-#60--69	Community Service Officers

24-401--419	Motor units
24-420--429	Parking Control units
24-432, 433	Accident Investigation units
24-451	Motor Sergeant- W of Harbor
24-453	Motor Sergeant- E of Harbor

24-5B1--9	Crimes Property/Burglary/Theft Detectives
24-5C1--5	Special Investigation/Vice Detectives

24-502--507	Robbery/Homicide/Assault Detectives
24-521	Crimes Persons- Sergeant
24-523	Fraud Detective
24-525	Lab Tech/Latent Prints
24-528, 529	Forgery/Fraud/Check Detectives
24-527, 531	Auto Theft Detectives
24-541	Juvenile Bureau- Sergeant
24-542--549	Juvenile Bureau- Detectives
24-561--565	Narcotics- Detectives

KERN COUNTY SHERIFF'S DEPT.--- UNIT NUMBERING SYSTEM

AIR 1,2	HELICOPTERS
BRAVO	BORON STA.
BUTTON	BUTTONWILLOW STA.
CHARLIE	CAPTAIN
CIVIL	CIVIL
COMM	COMMUNICATIONS
COMMAND	SHERIFF, CHIEFS
CORA	CORONER
DAN	DISTRICT ATTORNEY
DAVID	DETECTIVE
FRANK	FRAZIER PARK STA.
GLEN	GLENVILLE STA.
KERN	KERNVILLE STA.
KING	CANINE
LINCOLN	LIEUTENANT
LOUIE	LAMONT STA.
MIKE	MOJAVE STA.
NICK	NARCOTICS
PAUL	PATROL (BAKERSFIELD, MOJAVE)
RECORD	CRIME SCENE INVESTIGATION
RESCUE	SEARCH & RESCUE
RIDGE	RIDGECREST STA.
ROBERT	RESERVE DEPUTY
SAM	SERGEANT
SCOUT	FEDERAL GOV'T.
SERVICE	FEDERAL GOV'T.
TANGO	TAFT STA.
TEMPO	TEHACHAPI STA.
TOM	TRANSPORTATION
WILLIAM	WASCO STA.

ADAM	ARVIN PD
MARK	MARICOPA PD
MIKE	MCFARLAND PD
SAM	SHAFTER PD
TAB	TEHACHAPI PD
TERRY	TAFT PD

SACRAMENTO POLICE DEPT.--- UNIT NUMBERING SYSTEM

ADAM-	Primary unit in district	
AIR-	CHP Fixed-wing aircraft	
AUTO-	Mark/Tow Abandoned vehicles	
AUXILIARY-	Auxiliary Officers	
BACKGROUND-	Background Investigators	
BAKER-	Special Duty in sector	
BEAT-	Foot Patrol	
BLUE-	Watch 1 Relief	
BLACK-	Watch 3 Relief	
BROWN-	Watch 2 relief	
CADET-	Police Cadet	
CHARLES-	Extra District unit	
CITY-	City Hall Personnel	
	1	City Manager
C.O.-	Patrol Division Watch Commander	
C.R.-	Community Resources	
	1	Lieutenant
	3,4	Sergeants
	10,11	Non-sworn
	31--34	Non-sworn
C.S.O.-	Community Service Officer (Non-sworn)	
	21--28	Patrol
	30, 32	Traffic
C.S.I.-	Crime Scene Investigation	
	3	Sergeant
	10--24	Technicians
DAVID-	D.U.I. Team	
	41--48	
DELTA-	Radio Technicians	
	1--6	
ECHO-	Intelligence	
	1	Lieutenant
	2--4	Sergeants
	5	Non-sworn
HELICOPTER-	CHP Helicopter	
IDENT-	Identification Section	
	1--16	
IRIS-	Internal Investigations	
	1	Lieutenant
	2	Sergeant
IVY-	Bureau of Investigations	
	1	Captain
	2--8	Lieutenants
	10--14	Sergeants
	15	Agent (BNE)
	16	Sergeant
	17	Inspector (SSD)
	18--40	Sergeants
	41--49	unassigned
	50--59	
	60--69	
	70--79	
	80--89	
	90--99	
	100--109	
	110--119	
	120, 121	Agents (BNE)
	122--128	SSD
JEEP-	Levee Patrol (4WD)	
JOHN-	1-Man Report Writing unit	
K9-	Canine	
	10	Sergeant
	1, 2	Officers
KING-	Extra Sector Patrol unit	
LINCOLN-	Patrol Lieutenant	
METRO-	Special Duty in sector	
MOTOR-	Motorcycle	
	1--14	Squads 1 & 2
PAUL-	Patrol Wagon unit	

PLANNING-	Planning & Fiscal Section	
	1	Lieutenant
	2	Sergeant
	11	Officer
PREVENTION-	Preventive Services Unit- Community Resources	
	1	Lieutenant
	3, 4	Sergeants
	10--16	Officers
PROPERTY-	Property Management Section	
	1	Lieutenant
	2	Non-sworn
	3	Pick-up Truck
RADAR-	Traffic Radar units	
	11, 12, 21	
SAM-	Sector Patrol Sergeants	
SCHOOL-	School Security Officers	
	1--9	City Unified
	14--18	Grant Union
	30--35	McGeage School of Law
	36--40	Special Functions
SOLO-	Motorcycles	
	11--17	Team A
	21--26	Team B
	31--37	Team C
STAFF-	Administration	
	1	Chief of Police
	1A	Sergeant
	3	Operations- Deputy Chief
	3A	Operations- Inspector
	3B	Staff Assistance Section- Lieutenant
	3C	Patrol Division Management- Sergeant
	4	Technical Services- Deputy Chief
	5	Investigations- Deputy Chief
	6	Inspections & Standards- Captain
	7	Insepctions & Standards- Lieutenant
TECH-	Technical Services Division	
	1	Captain
	2	Lieutenant
TOM-	Traffic Division Supervision & Admin. Personnel	
	1	Captain
	2	Lieutenant
	3--6	Sergeants
	7	Non-sworn
	10	Sergeant
	11--16	Officers
	20	Sergeant
	30	Sergeant
	40	Sergeant
TRAINING-	Training Section	
	1	Captain
	2	Lieutenant
	3, 4	Sergeants
	9--12	Officers
	14, 15	Non-sworn
	30	Lieutenant (SSD)
	31--33	Sergeants (SSD)
	34--37	Corporals (SSD)
UNION-	Special Enforcement Section	
	1	Lieutenant
	10	Sergeant
	11--15	Officers
	20	Sergeant
	21--24	Officers
	30	Sergeant
	31--34	Officers
	40	Sergeant
	41--44	Officers
WARRANT-	Warrants & Transportation Unit	
	3	Sergeant
	10--14	Officers
WHITE-	Second Watch Relief	
XRAY-	Accident Investigation- Squad 1 & 2	
	1--5	officers

DISNEYLAND--- RADIO SYSTEM, UNIT NUMBERING SYSTEM

'ORANGE'	464.4125R	Maintenance
'BLUE'	464.4625R	Security
'GREEN'	464.4875R	Operations, Parking
'YELLOW'	464.5125R	Special Events
'RED'	464.6375R	Emergency
'WHITE'	464.7625R	Telephone
'PURPLE'	462.5750R	Hotel Security (GMRS)
'570'	154.5700	Shows, Submarines
'600'	154.6000	Autopias, Fences, Outdoor Foods, Trains
'625'	154.6250	Paging

C # (Center Stage)
Construction #
E # (Energy Management)
Engineering #
Entertainment #
Fox # (Plain Clothes Security)
J # (Custodial)
Key Control #
M # (Maintenance)
Patrol # (Parking Lot)
Productions 1 (Disney Manager)
Retlaw # (Trains)
River # (Boats)
Sam # (Security Supervisor)
Warehouse #
WED Design # (Disney Shows)

Hub (Center Plaza)
Main Street
Adventureland
New Orleans Square
Bear Country
Frontierland
Fantasyland
Tomorrowland
Main Gate

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RAILROADS

Gary L. Sturm and
Bill Farmer, Editors

Send information about railroad frequencies and their uses, railroad radio system details, and related questions to:

Bill Farmer, P.O. Box 1838, Thousand Oaks, CA 91360

Thanks this month to Craig Thompson (CA-VE-011) for an interesting letter. Not only does Craig have an unusual story to tell, but he sent along the RR frequencies he monitored while on vacation last summer. We're still hoping to hear from more members with your vacation frequency reports.

C. W. Bartholomai (GA-001) writes to tell us that the Atlanta Chapter of the National Railway Historical Society has been licensed as WNGD736 with frequency of 160.605. No doubt they will be using their new channel during fantrips in the Atlanta area.

The Kyle Railroad operates 406 miles of line in Kansas and eastern Colorado, with headquarters in Phillipsburg, KS. We have a report from "Chip" Sherman which includes two new channels:

160.935	Road
160.275	Road repeater
160.530	Phillipsburg office to engine house

Kyle is also allocated 160.605 but Chip says it was not in use when he visited in late August. A wreck on August 25 at Stratton, CO destroyed two locomotives.

BURLINGTON NORTHERN

by CRAIG THOMPSON (CA-VE-011)

While on vacation in Bozeman, Montana I listened to the Burlington Northern Railroad. I heard traffic on the following frequencies:

161.160	Ch 2 Road (Bozeman area primary)
160.590	
161.010	
160.620/161.565	PBX
161.460	Possibly repeater input
161.250	FCC listed but no traffic heard
161.100	Ch 1 Road (no traffic heard)

In Livingston, 30 miles east, is a very large repair depot for the BN, one of the biggest rail yards I have seen. However, due to budget cuts, 390 people just recently had to be laid off. That really hurts a town of 5000.

Sometimes having railroad frequency information can prove useful. I am a paramedic firefighter by occupation currently assigned to a Tractor company. I was operating on a campaign fire last July in the Cajon Pass area of California. It was a multiagency fire speared by California Division of Forestry (CDF), so they gave us synthesized radios. We were operating alongside Santa Fe right-of-way fighting a 600-acre brush fire. The incident command (IC) already had notified the dispatcher to tell Santa Fe to temporarily shut down all rail traffic in the pass due to proximity of firefighting equipment and personnel. I personally saw fire hose crossing tracks at some places.

Anyway, I was busy cutting line when here comes a train! Evidently he hadn't gotten the word, but we weren't going to argue! IC told everyone to clear away from the tracks and abandon hose lines. But even some fire engines were going to be struck and firemen were racing to disconnnect hoses and move them. So, I thought I remembered 160.650 as Santa Fe road, dialed it up on my ICOM H16 and said: "This is the California Dept. of Forestry with emergency traffic! The train in Cajon Pass must brake immediately due to firefighting operations in close proximity! Acknowledge!"

And, sure enough, about 20 seconds later: "This is Santa Fe 2419 coming to full stop. CDF how long will be the delay? I'll notify my dispatcher." I have to hand it to the engineer for figuring out what

was going on and handling it so professionally. I then notified IC on 151.46 that all railroad traffic had stopped. IC didn't ask, but I'm sure they were dying to know why Tractor 4 had that information. As it turned out, the CDF had notified the Union Pacific RR who also runs trains in Cajon Pass. Anyway, it all turned out well in what could have been a real mess.

LOUISIANA

by (LA-045)

[This list of frequencies for the state of Louisiana contains a number of frequencies which are outside the railroad band, and others which are in between those allocated by the Association of American Railroads. We are printing it just as received.]

Frequency	User	Location	Uses
160.000	Trains		Dispatch
160.305	"		"
161.160	"		Phone patch
160.260	"		Dispatch
160.140	"		"
160.170	"		"
160.110	"		"
161.205	"		" Police
161.490	"		"
160.410	"		"
161.475	"		" Page
160.815	"		"
160.020	"		"
160.080	"		"
160.165	"		"
160.135	"		"
160.680	"		"
161.385	"	DeRidder	"
160.070	"	Missouri	"
160.605	"	Alexandria	"
161.115	"	"	"
161.325	"	"	" PBX
160.470	" Seaboard		" MP Yard
160.875	" "		"
161.085	" Gulf & Mississippi		" General Operations

NEW FCC DATA

by BILL FARMER (CA-VE-010)

We finally received the FCC microfiche dated January 1986. Here are a few observations taken from the first quick glance through the data:

Blue Mountain & Reading RR, at Hamburg PA, has a license on 161.310.

Aberdeen & Briar Patch, at Candor NC, is licensed on 461.450/466.450.

Chicago Union Station Co. no longer has a license on 154.515. Police operations may have shifted to 472.3375/475.3375.

Gulf & Mississippi has a license on 161.355 at one location only: Artesia MS. Their road channel continues to be 161.085.

New Jersey Transit has a number of freqencies licensed. We know their road channel is 161.400, but need a complete rundown on their other channels: 160.215, 160.440, 160.890, 161.145, 161.235, 161.370, 161.475, 161.520.

One we could not find in the FCC records is the Dry Valley Railroad in Idaho. It is operated by Western Railroad Builders, but is not listed under either of those names. CTC Board Magazine reports this railroad uses 161.400 for its operations, but that shipments have been suspended and the line may be abandoned.

That's all we have for this month...we hope that future columns will be longer with more contributions from you!

—Gary & Bill

VHF MARINE

Send information, articles, frequencies and their use, and questions that relate to private, commerical, and Coast Guard VHF maritime and inland waterways radio communications to:

Emmett L. Baxter, Jr., 4122 Granby St., Norfolk, VA 23504

Hello and welcome to your November 1986 VHF Marine Column.

Our first piece of mail received this month was a copy of the "North-East Scanning News" sent in by Les Mattson (NJ-187). This newsletter covers New Jersey, Pennsylvania, Delaware, Virginia, Maryland, District of Columbia as well as other New England States.

It is well written and specializes in the above area only and follows the normal RCMA interests and formats. Anyone living in the above area would do well to invest in it to keep current.

It also had some marine information in it and promises more in future issues.

Our second report comes from Lou Campagna (PA-024).

He is writing in reference to something he observed while vacationing in the Mexican Coastal Area of The Yucatan Peninsula.

"Observation was made that several of the major hotels,that I visited,were staffed by personel that were equipped with 2-way radios. Upon closer observation and monitoring I noticed that many of the hotel security communication systems utilized hand-held units manufactured by Regency. These units were identical to the ones one could purchase in a marine supply store.

Most units were restricted to one watt output and all radios were labled in English.

The frequency allocations did not conform to any U.S. Marine Standards that we know of. I was wondering whether this usage was wide spread in the manner mentioned above."

ED.NOTE- Regency makes Walkie-Talkies for both Business and Marine use. The radios look the same and both can have a power of 1 watt.
The Business Model UC-102 is a 2 channel set and has a range of 144-174 MHZ. while most of the marine sets have more channels.The sets that you saw were probably on Land use frequencies or business frequencies.

NORTH CAROLINA MARINE FREQUENCY PROFILE: (Con't)
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MOORESVILLE:

Commodore Marina - KVY-612 - 156.425,156.700,156.800

MOREHEAD:
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70 West Marina - WHD-554 - 156.425,156.800

MOREHEAD CITY:

Kerwin,Inc. - KUF-716 - 156.425,156.450,156.800
Spooners Creek Yacht - KVY-711 - 156.425,156.800
Jones Brothers Marina - WHF-967 - 156.425,156.450,156.800
Maritronics,Inc. - WHG-595 - 156.425,156.550,156.800
The Tackle Box - WRV-434 - 156.425,156.800
North Carolina,State of - KEA-973 - 156.450,156.800
Boats,Inc. - KMC-973 - 156.450,156.800
Morehead Coal Terminal - KPB-589 - 156.450,156.700,156.800
Charter Restaurant,Inc. - WHU-361 - 156.450,156.800
Texasgulf Chemicals - WHU-688 - 156.725,156.800
Marine Telephone Co. - KRS-910 - 156.800,162.000

NEW BERN:

Ensleys Radio Co. - KXE-256 - 4126.4 kc.,6523.3 kc.,8295.6 kc.,
12430.6 kc.,16594.7 kc.
156.450,156.800

NEWPORT:

Jones,R.W.Seafood - KZQ-336 - 2097.9 kc.,2183.4 kc.,4145.0 kc.,
6523.3 kc.,8295.6 kc.
156.500,156.800
Trionics,Inc. - WRV-505 - 2097.9 kc.,2183.4 kc.,4420.8 kc.,6220.0 kc.,
8292.5 kc.
156.425,156.550,156.800

ORIENTAL:

Foreman,Daniel R. & Associates - KIZ-580 - 156.425,156.800
Draughon,Lisker - WXF-627 - 156.425,156.800

PALMICO:

Muse,C.M.Seafood Inc. - WRV-523 - 2097.9 kc.,2183.4 kc.,4126.4 kc.,
6523.3 kc.,8295.6 kc.,12430.6 kc.,
156.450,156.800

ROPER:

Furlough,Inc. - KGA-354 - 2097.9 kc.,2183.4 kc.,4145.0 kc.,6223.0 kc.,
8295.6 kc.
156.275,156.450

SHARLOTTE:

Hewett,Ralph - WHU-221 - 4145 kc.,6223.0 kc.,8295.6 kc.,12435.7 kc.
156.450,156.800
Princetown Armature Inc. - WHU-559 - 156.450,156.800

SURF CITY:

Seafood World,Inc. - KFN-250 - 156.425,156.800,157.025

SWANSBORO:

Dudleys Marina - KYY-895 - 156.425,156.600,156.800
Cutwater Marine,Inc. - WQB-558 - 156.425,156.800
Mid-Atlantic Diesel - WXZ-373 - 156.450,156.800

SOUTHPORT:

Southport Marina - KEB-585 - 156.425,156.450,156.800
Marine Repair Service - WHG-874 - 156.425,156.800
Carolina Power & Light - WQX-600 - 156.425,156.800
Southport Tackle Shop - WQZ-308 - 156.425,156.500,156.800
American Fish Co. - KPB-667 - 156.450,156.800
Undersea Ventures - WQX-675 - 2097.9 kc.,2183.4 kc.
156.800,157.025

VANDEMERE:

Pamlico Packing Co. - WXZ-468 - 2097.9 kc.,2183.4 kc.,4420.8 kc.,
6223.0 kc.,8295.6 kc.
156.500,156.800
Margaret Rose Seafood - WDJ-324 - 4420.8 kc.,6220.0 kc.,8292.5 kc.

WANCHESE:

Wanchese Shiplift,Inc. - WQZ-421 - 2080.4 kc.,2183.4 kc.,4420.8 kc.,
6220.0 kc.,8292.5 kc.
156.550,156.800
Wanchese Fish Co.Inc. - KYU-674 - 2097.9 kc.,2183.4 kc.,4420.8 kc.,
6220.0 kc.,8295.6 kc.
156.800,156.975
Etheridge,Willie III - WXZ-473 - 2097.9 kc.,2183.4 kc.,4126.4 kc.,
6220.0 kc.,8292.5 kc.
156.800,156.975
Quality Seafood Co.,Inc. - KEB-241 - 4126.4 kc.,4145.0 kc.,4420.8 kc.,
6220.0 kc.,6223.0 kc.,8292.5 kc.,
8295.6 kc.
156.500,156.800
Ruhle,James A. - WXZ-326 - 4126.4 kc.,6223.0 kc.,8292.5 kc.
Crab Slough Seafood - WRD-575 - 4420.8 kc.,6220.0 kc.,8292.5 kc.
156.800,156.975

WILMINGTON:

Wilmington Shipyard - KSK-211 - 2097.9 kc.,2183.4 kc.,4145.0 kc.,
8292.5 kc.,8295.6 kc.,12433.7 kc.
156.500,156.800
Goforth Properties,Inc. - KPB-686 - 156.425,156.450,156.800
Bradley Creek 66 Marina - KXE-264 - 156.425,156.800
Gulfstream Marina,Inc. - WHF-896 - 156.425,156.450,156.800
Intracoastal Yacht Service - WQA-286 - 156.425,156.550,156.800
Masonboro Boat Yard - WRD-735 - 156.425,156.550,156.800
Carolina Inlet Marina - WXZ-380 - 156.425,156.450,156.800
Hieronymus Brothers - WXZ-414 - 156.425,156.800,157.025
Wee Five Seafood Co. - WRS-960 - 156.450,156.800
Wrightsville Sport Fishing - WRD-764 - 156.475,156.800
Stone Towing Line - KPB-586 - 156.550,156.800
Tarheel Marine Elect. - WQA-845 - 156.575,156.800,157.025
Figure Eight Island - KCD-998 - 156.650,156.800
Seaboard System Railway - KIL-821 - 156.650,156.800
Cape Fear Towing Co. - KLU-799 - 156.800,156.900
Marine Telephone Co. - KFT-301 - 156.800,161.900
North Carolina,State of - KQU-609 - 156.800,156.900
WRIGHTSVILLE:

Sea Coast Communications - KEB-483 - 2097.9 kc.,2183.4 kc.,4145.0 kc.,
156.425,156.450,156.800
Wrightsville Marina - KGA-311 - 156.425,156.450,156.800
Seapath Transient - WRS-977 - 156.425,156.800
Sea Gate Yachts - WXZ-302 - 156.425,156.800
Atlantic Marine Inc. - WXZ-415 - 156.425,156.450,156.800

MISC.LISTINGS:

Atlantic Beach,Town of - WHG-538 - 156.425,156.800
Colonial Oil Industries - KW-4478 - 156.450,156.800
Exxon Communications - KQ-7134 - 156.800,156.900
Gulf Oil Communications - KY-5578 - 156.325,156.800,156.975
Morehead Coal Terminal - KW-6607 - 156.450,156.500,156.700,156.800
Morehead City Pilots - KZA-976 - 156.450,156.700,156.800
Morris Marina - WXZ-543 - 156.450,156.475,156.800
North Carolina,State of (Edenton) - KC-9448 - 156.650,156.800
(Edenton) - KX-7475 - 156.650,156.800
(Eliz.City) - KX-7476 - 156.650,156.800
(Jacksonville) - KX-7477 - 156.650,156.800
Tesseract,Ltd. - WXZ-226 - 156.425,156.800
Sea Coast Communications - KH-9281 - 156.450,156.800
Stone Towing Line - KW-9180 - 156.550,156.800
North Carolina,State of -
Sunset Beach Bridge - KU-6040 - 156.650,156.800
Cape Fear River Bridge - KU-6089 - 156.650,156.800

This concludes the state of North Carolina.

I don't mind doing frequency profiles but I think that your information would look much better in its place along with some profile but not as much. Lets all get on the bandwagon and share some of our knowledge with other members.

Well that's it for this month see you next month. WRITE-IN

NEW PRODUCT REVIEW

This column is for reports on new products of interest to scanner listeners. Send reports on scanners, antennas, frequency publications and other products related to the hobby to:

James A. Abdu (GA-058), 1203 N. Crossing Way, Decatur, GA 30033

Welcome to the New Product Review Column. This month I want to start this column with a request for input from R.C.M.A. members. If anyone has topics or areas of interest they feel should be covered in more detail or not covered at all please let me know. In my research for the column I come across products dealing with telephones, satellites, fax, test equipment etc... I try to include products which relate to communications monitoring between 25MHz and 1300MHz more or less directly.

I encourage any member with comments about what should or should not be presented to contact me so I can keep the column interesting for all members.

I don't really have much to offer in the way of equipment reviews although there is a lot happening. I have just received a Realistic Pro-32 hand held scanner from radio shack to review. I 'tested' the unit at a recent air show (it worked great !) and will have an in-depth review in the next column. I programed about 125 frequencies into 8 of the 10 memory banks (grouped by user). Close to 35 of these frequencies were active. It was great to be able to program and scan all the possibly active channels instead of trying to scan only the most active or search for activity. I heard all the local action on the Pro-32 and reserved my Regency MX-7000 for the Blue Angels (active on 251.6 and 275.35MHz AM) and military frequencies.

I received a letter Ralph S. Marshall which contained a tip to help when searching two bands: " I have two bands I frequently like to search. I set the lower search limit to the lowest frequency of the lower band of interest. Then I set the upper search limit to the top frequency of the upper band. When I want to search the lower band I push SEARCH and UP buttons. To search the upper band I push the SEARCH and DOWN buttons. Of course when you have searched far enough, just reverse the direction of the search."

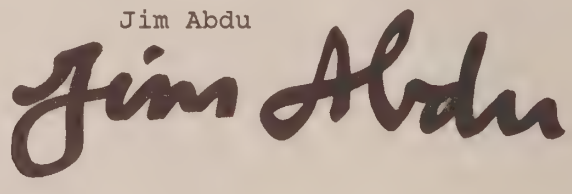
I have used this technique and it works fine. Maybe scanners will be developed with multiple search ranges. Ralph also wonders (along with many of us) if add on memory expansions will ever be available for the Regency MX-7000 and other scanners.

Most of the comments I've seen on the Regency HX-1200 have been favorable (David Brown N.Y.-139 "excellent set") but there have been some others. John Johnson received a HX-1200 which would only display "Fr Err" and he had to send the unit in for warranty repair (no word on the outcome yet). Duane Peck purchased a HX-1200 and had problems. Duane stated "The radio generated an internal carrier (not a birdie) that moved from frequency to frequency." Duane drove 75 miles each way to hand deliver the unit to Regency and later received a second unit with the same problem. Duane continued "their national marketing director admitted there was a problem but they weren't going to correct it. To make a long story short I returned radio number 2 and got a Bearcat". Duane was not to pleased and finished with "I don't want to see RCMA members get stuck with equipment that doesn't work".

I had not heard of these types of problems with the HX-1200 and have had good luck with Regency customer service. As always, comments on these and other topics are welcome. Thats all for this month.

STAY TUNED !!!!

Jim Abdu



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CAOR319 - BILL BLANKINSHIP;19832 EDGEWOOD LN;HUNTINGTON BEACH;CA;92646
CAOR320 - WALTER ROBERTS;1140 FARRINGTON;LA HABRA;CA;90631
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CASC054 - MARVIN ELWELL;P.O.BOX 73;CUPERTINO;CA;95015
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IL 332 - DAVID HANUS;4608 GRAND AVE;WESTERN SPRINGS IL;IL;60558
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VA 114 - LYNN BURKE;285 WESTWIND DR;NEWPORT NEWS;VA;23602
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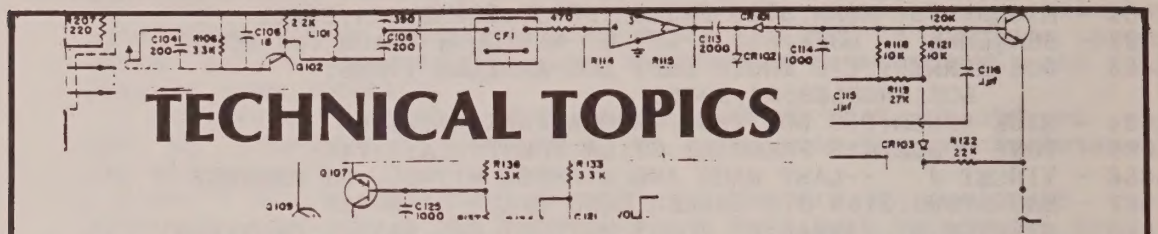
WI 086 - MARK F. LOETHER;1121 OAK ST;TOMAH;WI;54660
WV 020 - KEITH BUCHER;P.O. BOX 130;READER;WV;26167

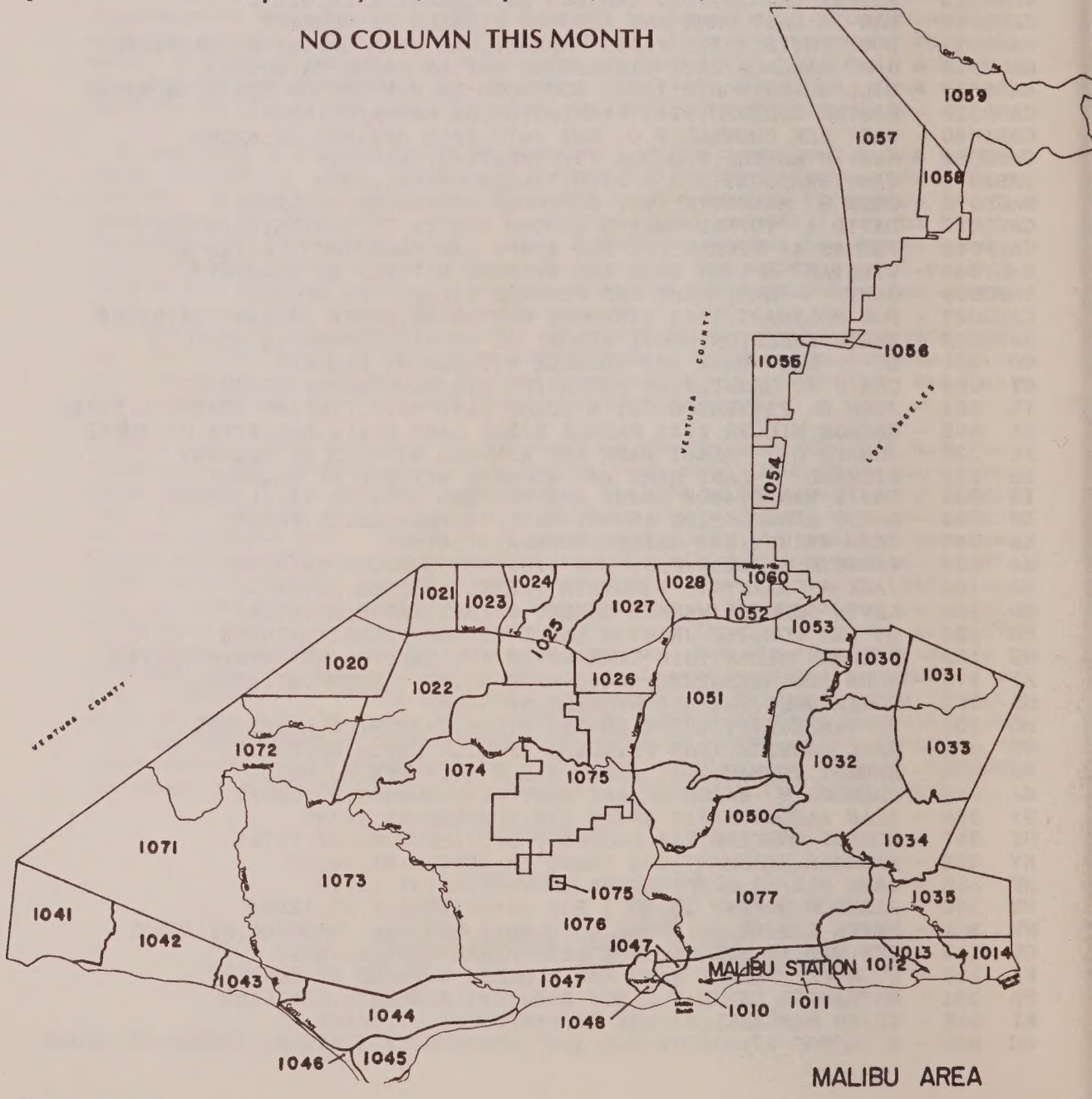


TECHNICAL TOPICS

Send all equipment reviews, technical articles, technical tips, and questions on such subjects as receivers, antennas, preamps, accessory equipment, repeaters, links, tones, scramblers, non-voice data transmissions to:

Stephen A. Kayworth, 21551 Kapok Circle, Boca Raton, FL 33433

NO COLUMN THIS MONTH



MEMBERSHIP CARDS AND BADGES

RCMA has no badges, decals, or membership cards for sale or distribution. The label on your newsletter is your membership card. While other clubs may have gimmicks or commercial good deals, our 'good deal' is your newsletter. You determine its content because you write it.

MAILING PROCEDURES

The newsletter mailed each month has a cover date for the following month. This practice is followed so that the US Post Office can deliver your issue no later than the first of the month designated on the cover.

New members whose applications are received before the end of the month will begin receiving the newsletter the following month. The first issue will be dated the month after that — as described above.

RENEWAL PROCEDURES

During the month your membership — and therefore your newsletter delivery — is due to expire, you will receive a renewal notice in the form of a postcard. It contains all the information you need to continue receiving the newsletter.

Renewal checks and new membership applications received by RCMA's General Manager, P.O. Box 542, Silverado, CA 92676, are processed for deposit on a weekly basis. Actual computer updating is done at the end of each month. If your check/MO is received after this cut-off date, you will miss the next issue of the newsletter and your new renewal date will be moved back accordingly.

PRORATED MEMBERSHIPS

Due to postage costs and other considerations, membership applications or renewals for any sum less than the current rate are prorated accordingly. This means that the renewal date will be due in less than a year. Please do not send more money to finish the year; just renew when your prorated date comes up.

Also because of postage costs, RCMA cannot comply with member requests to supply back issues free of additional charge (see the monthly Calendar section regarding ordering of back issues). If a late renewal results in a missed issue, the newsletter can be ordered from RCMA's secretary.

ADDRESS CHANGES

MEMBER notifications of address changes are also updated at the end of each month. If this type of address change notice arrives after the cut-off date, the mailing label will not reflect the new address until the following month.

The newsletter is mailed 3rd class under a bulk mail permit. When a member's address change is supplied by the POST OFFICE (instead of by the member), the charge to the club is 30¢.

SPECIAL FREQUENCY REQUESTS

Get in touch with your local RCMA group (see monthly Calendar section for chapter listings) or use the Contact/Information Wanted column for frequencies in your area. RCMA is not yet set up for national distribution of frequencies, although ultimately, the 'big picture' could include copies of the FCC and IRAC data bases, a fast computer, and software to select and sort in any order.

Contributions of frequencies and other material must be sent to the appropriate newsletter editor. (Editors use their own discretion in printing material sent them by non-members.) Data sent to P.O. Box 4563 is always subject to delay and sometimes cannot be forwarded because of postage costs.

DISCLAIMER

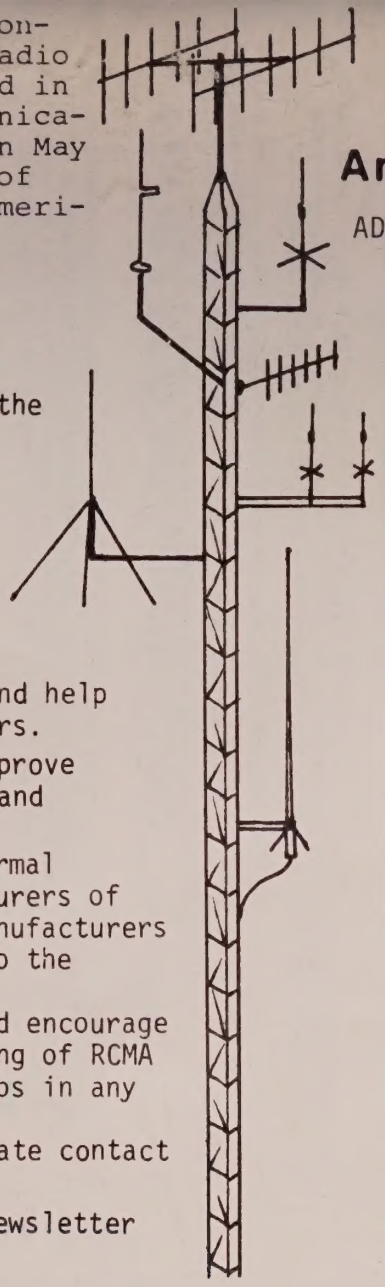
RCMA is a non-profit club for scanner enthusiasts. Neither RCMA or its newsletter are affiliated with, participate in the management of, or are responsible for, any other organization or publication. This disclaimer includes application to POLICE CALL, an annual publication put out by RCMA's good friend Gene Hughes. Queries about this publication cannot be answered by RCMA.

PLEASE REMEMBER — When writing to RCMA for any reason, include your membership number. Use it on your correspondence, checks, or money orders. RCMA tries hard to be responsive to your questions/problems. Using your membership number when you write helps us be of help to you.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications. RCMA was founded in May 1975 and is a Full Member of the Association of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



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